
PHYSICAL MODEL

FOR PROJECT

Projekt_Vybuch

MODEL

Projekt_Vybuch

MySQL 5.6

Version

Created: 20.11.2017
Last Modified: 2.12.2018

Model Description

Entity Report

Full Name	Primary Key	# Attributes
CAS	idCAS, idUzivatel	13
DruhKarty	idDruhKarty, idUzivatel	6
Faze	idFaze, idUzivatel, idKarty	12
Hodnoty	idHodnoty, idUzivatel	7
Karty	idKarty, idUzivatel, idKde, idPocasi	10
Kde	idKde, idUzivatel	6
Mereni	idMereni, idUzivatel, idKarty, idMetody, idPristroje	10
Metody	idMetody, idUzivatel	11
NIST	idNIST, idUzivatel	6
Opraveni	idOpraveni, idUzivatel	6
Organika	idOrganika, idMereni, idUzivatel, idCAS	7
Pasy	idPasy, idUzivatel, idMereni	6
PeriodickaTabulka	idPrvek, idUzivatel	11
Pocasi	idPocasi, idUzivatel	6
Prilohy	idPrilohy, idKarty, idUzivatel	11
PripravaVzorku	idPripravaVzorku, idUzivatel	6
Pristroje	idUzivatel, idMetody	7
Slozeni	idSlozeni, idPrvek, idUzivatel, idFaze	6
Spektrum	idSpektrum, idNIST, idUzivatel	6
SpojeniUzivatelOpraveni	idUzivatel, idOpraveni, idUzivatelAutor	5
Uzivatele	idUzivatel	7
VybusninarskeParametry	idVybusninarskeParametry, idKarty, idNIST1, idNIST2, idUzivatel	11

Entity 'CAS'

Caption	CAS
Primary Key	Key29

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key29'

Attribute				Type	Parent Entity			
idCAS				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idCAS		Int(11)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
	kod		Varchar(200)	YES	NO	NO	NO	
	nazev		Text	YES	NO	NO	NO	
	zkratka		Varchar(200)	NO	NO	NO	NO	
	alternativni Nazev		Text	NO	NO	NO	NO	
	nazevSou bor		Varchar(100)	NO	NO	NO	NO	
	typSoubor		Varchar(100)	NO	NO	NO	NO	
	velikostSo ubor		Int(11)	NO	NO	NO	NO	
	obsahSou bor		Longblob	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maCAS	Identifying	CAS	Organika	1:N
autorCAS	Identifying	Uzivatele	CAS	1:N

Attribute 'idCAS'

Caption	idCAS
Entity	CAS
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'poznamka'

Caption	poznamka
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'kod'

Caption	kod
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(200)
Not Null	YES
Unique	NO

Attribute 'nazev'

Caption	nazev
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	YES
Unique	NO

Attribute 'zkratka'

Caption	zkratka
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(200)
Not Null	NO
Unique	NO

Attribute 'alternativniNazev'

Caption	alternativniNazev
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'nazevSoubor'

Caption	nazevSoubor
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	NO
Unique	NO

Attribute 'typSoubor'

Caption	typSoubor
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	NO
Unique	NO

Attribute 'velikostSoubor'

Caption	velikostSoubor
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	NO
Unique	NO

Attribute 'obsahSoubor'

Caption	obsahSoubor
Entity	CAS
Primary Key	NO
Foreign Key	NO
Data Type	Longblob
Not Null	NO
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	CAS		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'DruhKarty'

Caption	DruhKarty
Primary Key	Key24

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key24'

Attribute		Type	Parent Entity					
idDruhKarty		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idDruhKarty		Int(11)	YES	NO	NO	NO	
	nazev		Varchar(50)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorDruhKarty	Identifying	Uzivatele	DruhKarty	1:N
maDruhKarty	Non-identifying	DruhKarty	Faze	1:N

Keys

Type	Full Name	Attributes
PK	Key24	idDruhKarty, idUzivatel
AK	Key25	idDruhKarty

Attribute 'idDruhKarty'

Caption	idDruhKarty
Entity	DruhKarty
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	DruhKarty
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	NO

Attribute 'poznámka'

Caption	poznámka
Entity	DruhKarty
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	DruhKarty
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	DruhKarty
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	DruhKarty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Faze'

Caption	Faze
Primary Key	Key26

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key26'

Attribute				Type	Parent Entity			
idFaze				PK	-----			
idUzivatel				PFK	Uzivatele			
idKarty				PFK	Karty, Karty, Karty, Karty			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idFaze		Int(11)	YES	NO	NO	NO	
	datum		Datetime(0)	YES	NO	NO	NO	
	nazev		Text	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	datumProvedeni		Date	NO	NO	NO	NO	
	priprava		Text	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idKarty		Int(11)	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
FK	idNIST		Int(11)	YES	NO	NO	NO	
FK	idDruhKarty		Int(11)	NO	NO	NO	NO	
FK	idPripravaKarty		Int(11)	NO	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorFaze	Identifying	Uzivatele	Faze	1:N
maFaze	Identifying	Karty	Faze	1:N
maSlozeni	Identifying	Faze	Slozeni	1:N
maNIST	Non-identifying	NIST	Faze	1:N
maDruhKarty	Non-identifying	DruhKarty	Faze	1:N
maPripravuVzorku	Non-identifying	PripravaVzorku	Faze	1:N

Indexes

Full Name	Attributes	Unique
IX_maNIST	idNIST, idNIST	NO
IX_Relationship1	idDruhKarty	NO
IX_Relationship3	idPripravaKarty	NO

Attribute 'idFaze'

Caption	idFaze
Entity	Faze
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'datum'

Caption	datum
Entity	Faze
Primary Key	NO
Foreign Key	NO
Data Type	Datetime(0)
Not Null	YES
Unique	NO

Attribute 'nazev'

Caption	nazev
Entity	Faze
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	YES
Unique	NO

Attribute 'poznanka'

Caption	poznanka
Entity	Faze
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datumProvedeni'

Caption	datumProvedeni
Entity	Faze
Primary Key	NO
Foreign Key	NO
Data Type	Date
Not Null	NO
Unique	NO

Attribute 'priprava'

Caption	priprava
Entity	Faze
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Faze		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idKarty'

Caption	idKarty		
Entity	Faze		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Karty, Karty, Karty, Karty
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost
Entity	Faze
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'idNIST'

Caption	idNIST		
Entity	Faze		
Primary Key	NO		
Foreign Key	YES	Parent Entity	NIST, NIST
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idDruhKarty'

Caption	idDruhKarty		
Entity	Faze		
Primary Key	NO		
Foreign Key	YES	Parent Entity	DruhKarty
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Attribute 'idPripravaKarty'

Caption	idPripravaVzorku		
Entity	Faze		
Primary Key	NO		
Foreign Key	YES	Parent Entity	PripravaVzorku
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Entity 'Hodnoty'

Caption	Hodnoty
Primary Key	Key12

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key12'

Attribute				Type	Parent Entity			
idHodnoty				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idHodnoty		Int(11)	YES	YES	NO	NO	
	x		Float	YES	NO	NO	NO	
	y		Float	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
FK	idMereni		Int(11)	YES	NO	NO	NO	
FK	idSpektrum		Int(11)	NO	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
maHodnoty	Non-identifying	Mereni	Hodnoty	1:N
maSpektrumHodnoty	Non-identifying	Spektrum	Hodnoty	1:N

Keys

Type	Full Name	Attributes
PK	Key12	idHodnoty, idUzivatele
AK	idHodnoty	idHodnoty

Indexes

Full Name	Attributes	Unique
IX_maHodnoty	idMereni	NO
IX_Relationship4	idSpektrum, idSpektrum, idSpektrum	NO

Attribute 'idHodnoty'

Caption	idHodnoty
Entity	Hodnoty
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'x'

Caption	x
Entity	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	YES
Unique	NO

Attribute 'y'

Caption	y
Entity	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Float
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Hodnoty
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Hodnoty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMereni'

Caption	idMereni		
Entity	Hodnoty		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Mereni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idSpektrum'

Caption	idSpektrum		
Entity	Hodnoty		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Spektrum, Spektrum, Spektrum
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Entity 'Karty'

Caption	Karty
Primary Key	Key21

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key21'

Attribute			Type	Parent Entity				
idKarty			PK	-----				
idUzivatel			PFK	Uzivatele				
idKde			PFK	Kde				
idPocasi			PFK	Pocasi, Pocasi				
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idKarty		Int(11)	YES	NO	NO	NO	
	datum		Datetime(0)	YES	NO	NO	NO	
	kdy		Datetime(0)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	kod		Text	NO	NO	NO	NO	
	parametry Experimentu		Text	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idKde		Int(11)	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
PFK	idPocasi		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorKarty	Identifying	Uzivatele	Karty	1:N
jeKde	Identifying	Kde	Karty	1:N
maPrilohy	Identifying	Karty	Prilohy	1:N
maFaze	Identifying	Karty	Faze	1:N
maMereni	Identifying	Karty	Mereni	1:N
maVybusninarskeParametry	Identifying	Karty	VybusninarskeParametry	1:N
maPocasi	Identifying	Pocasi	Karty	1:N

Attribute 'idKarty'

Caption	idKarty
Entity	Karty
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'datum'

Caption	datum
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Datetime(0)
Not Null	YES
Unique	NO

Attribute 'kdy'

Caption	kdy
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Datetime(0)
Not Null	YES
Unique	NO

Attribute 'poznanka'

Caption	poznanka
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'kod'

Caption	kod
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'parametryExperimentu'

Caption	parametryExperimentu
Entity	Karty
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Karty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idKde'

Caption	idKde		
Entity	Karty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Kde
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost		
Entity	Karty		
Primary Key	NO		
Foreign Key	NO		
Data Type	Bool		
Not Null	YES		
Unique	NO		

Attribute 'idPocasi'

Caption	idPocasi		
Entity	Karty		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Pocasi, Pocasi
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Kde'

Caption	Kde		
Primary Key	Key24		

Entity Properties

Table Type	Default		
Row Format	Default		

Primary Key 'Key24'

Attribute		Type	Parent Entity					
idKde		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idKde		Int(11)	YES	NO	NO	NO	
	nazev		Varchar(50)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorKde	Identifying	Uzivatele	Kde	1:N
jeKde	Identifying	Kde	Karty	1:N

Keys

Type	Full Name	Attributes
PK	Key24	idKde, idUzivatel
AK	Key25	idKde

Attribute 'idKde'

Caption	idKde
Entity	Kde
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	Kde
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	NO

Attribute 'poznanka'

Caption	poznanka
Entity	Kde
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Kde
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Kde
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Kde		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Mereni'

Caption	Mereni
Primary Key	Key8

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key8'

Attribute		Type	Parent Entity					
idMereni		PK	-----					
idUzivatel		PFK	Uzivatele					
idKarty		PFK	Karty, Karty, Karty, Karty					
idMetody		PFK	Metody, Metody					
idPristroje		PFK	Pristroje					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMereni		Int(11)	YES	YES	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	podminky		Text	NO	NO	NO	NO	
	poznámka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	anorganika		Bool	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idKarty		Int(11)	YES	NO	NO	NO	
PFK	idMetody		Int(11)	YES	NO	NO	NO	
PFK	idPristroje		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorMereni	Identifying	Uzivatele	Mereni	1:N
maMereni	Identifying	Karty	Mereni	1:N
maPasy	Identifying	Mereni	Pasy	1:N
maHodnoty	Non-identifying	Mereni	Hodnoty	1:N
poskytujeMetody	Identifying	Metody	Mereni	1:N
poskytujePristroje	Identifying	Pristroje	Mereni	1:N
maSpektrumFoto	Non-identifying	Mereni	Prilohy	1:N
maOrganika	Identifying	Mereni	Organika	1:N

Keys

Type	Full Name	Attributes
PK	Key8	idMereni, idUzivatel, idKarty, idMetody, idPristroje
AK	idMereni	idMereni

Attribute 'idMereni'

Caption	idMereni
Entity	Mereni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'platnost'

Caption	platnost
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'podminky'

Caption	podminky
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'poznanka'

Caption	poznanka
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'anorganika'

Caption	anorganika
Entity	Mereni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idKarty'

Caption	idKarty		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Karty, Karty, Karty, Karty
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMetody'

Caption	idMetody		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Metody, Metody
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idPristroje'

Caption	idPristroje		
Entity	Mereni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Pristroje
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Metody'

Caption	Metody
Primary Key	Key7

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key7'

Attribute				Type	Parent Entity			
idMetody				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idMetody		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(50)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
	datum		Datetime	YES	NO	NO	YES	
	pasy		Bool	YES	NO	NO	NO	
	fotoSpektrum		Bool	YES	NO	NO	NO	
	hodnoty		Bool	YES	NO	NO	NO	
	anorganika		Bool	YES	NO	NO	NO	
	organika		Bool	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorMetody	Identifying	Uzivatele	Metody	1:N
maPristroje	Identifying	Metody	Pristroje	1:N
poskytujeMetody	Identifying	Metody	Mereni	1:N

Keys

Type	Full Name	Attributes
PK	Key7	idMetody, idUzivatel
AK	idKraj	idMetody
AK	nazev	nazev

Attribute 'idMetody'

Caption	idMetody
Entity	Metody
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	YES

Attribute 'poznanka'

Caption	poznanka
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'datum'

Caption	datum
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'pasy'

Caption	pasy
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'fotoSpektrum'

Caption	fotoSpektrum
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'hodnoty'

Caption	hodnoty
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'anorganika'

Caption	anorganika
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'organika'

Caption	organika
Entity	Metody
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Metody		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'NIST'

Caption	NIST
Primary Key	Key28

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key28'

Attribute				Type	Parent Entity			
idNIST				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idNIST		Int(11)	YES	NO	NO	NO	
	CAS		Varchar(50)	YES	NO	NO	NO	
	nazev		Char(50)	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maSpektra	Identifying	NIST	Spektrum	1:N
autorNIST	Identifying	Uzivatele	NIST	1:N
maNIST	Non-identifying	NIST	Faze	1:N
latka1	Identifying	NIST	VybusninarskeParametry	1:N
latka2	Identifying	NIST	VybusninarskeParametry	1:N
latka3	Non-identifying	NIST	VybusninarskeParametry	1:N

Attribute 'idNIST'

Caption	idNIST
Entity	NIST
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'CAS'

Caption	CAS
Entity	NIST
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	NO

Attribute 'nazev'

Caption	nazev
Entity	NIST
Primary Key	NO
Foreign Key	NO
Data Type	Char(50)
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	NIST
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	NIST
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	NIST		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Opraveni'

Caption	Opraveni
Primary Key	Key19

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key19'

Attribute		Type	Parent Entity					
idOpravneni		PK	-----					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idOpravneni		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	YES	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maOpravneni2	Identifying	Opravneni	SpojeniUzivatelOpravneni	1:N
autorOpravneni	Identifying	Uzivatele	Opravneni	1:N

Keys

Type	Full Name	Attributes
PK	Key19	idOpravneni, idUzivatel
AK	idOpravneni	idOpravneni
AK	nazev	nazev

Attribute 'idOpravneni'

Caption	idOpravneni
Entity	Opravneni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	Opravneni
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	YES

Attribute 'poznamka'

Caption	poznamka
Entity	Opraveni
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Opraveni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'platnost'

Caption	platnost
Entity	Opraveni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Opraveni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Organika'

Caption	Organika
Primary Key	Key31

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key31'

Attribute		Type	Parent Entity					
idOrganika		PK	-----					
idMereni		PFK	Mereni					
idUzivatel		PFK	Uzivatele					
idCAS		PFK	CAS, CAS					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idOrganika		Int(11)	YES	NO	NO	NO	
	latka		Text	YES	NO	NO	NO	
	poradi		Int(11)	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
PFK	idMereni		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idCAS		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maOrganika	Identifying	Mereni	Organika	1:N
maOrganikaFoto	Non-identifying	Organika	Prilohy	1:N
autorOrganika	Identifying	Uzivatele	Organika	1:N
maCAS	Identifying	CAS	Organika	1:N

Attribute 'idOrganika'

Caption	idOrganika
Entity	Organika
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'latka'

Caption	latka
Entity	Organika
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	YES
Unique	NO

Attribute 'poradi'

Caption	poradi
Entity	Organika
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Organika
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'idMereni'

Caption	idMereni		
Entity	Organika		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mereni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Organika		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idCAS'

Caption	idCAS		
Entity	Organika		
Primary Key	YES		
Foreign Key	YES	Parent Entity	CAS, CAS
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Pasy'

Caption	Pasy
Primary Key	Key12

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key12'

Attribute		Type	Parent Entity					
idPasy		PK	-----					
idUzivatel		PFK	Uzivatele					
idMereni		PFK	Mereni					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPasy		Int(11)	YES	YES	NO	NO	
	hodnota		Int(11)	YES	NO	NO	NO	
	silnySlaby Pas		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idMereni		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorPasy	Identifying	Uzivatele	Pasy	1:N
maPasy	Identifying	Mereni	Pasy	1:N

Keys

Type	Full Name	Attributes
PK	Key12	idPasy, idUzivatel, idMereni
AK	idHodnoty	idPasy

Attribute 'idPasy'

Caption	idPasy
Entity	Pasy
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'hodnota'

Caption	hodnota
Entity	Pasy
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute 'silnySlabyPas'

Caption	silnySlabyPas
Entity	Pasy
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Pasy
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Pasy		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMereni'

Caption	idMereni		
Entity	Pasy		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Mereni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'PeriodickaTabulka'

Caption	PeriodickaTabulka
Primary Key	Key22

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key22'

Attribute				Type	Parent Entity			
idPrvek				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPrvek		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(30)	YES	NO	NO	NO	
	poznámka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
	znacka		Varchar(20)	YES	NO	NO	NO	
	latinsky		Varchar(100)	NO	NO	NO	NO	
	protonove Cislo		Int(11)	YES	NO	NO	NO	
	relativniAt omovaHm otnost		Varchar(100)	NO	NO	NO	NO	
	skupina		Int(10)	NO	NO	NO	NO	
	perioda		Int(10)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorPeriodickaTabulka	Identifying	Uzivatele	PeriodickaTabulka	1:N
obsahujePrvky	Identifying	PeriodickaTabulka	Slozeni	1:N

Keys

Type	Full Name	Attributes
PK	Key22	idPrvek, idUzivatel
AK	idPrvek	idPrvek

Attribute 'idPrvek'

Caption	idPrvek
Entity	PeriodickaTabulka
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(30)
Not Null	YES
Unique	NO

Attribute 'poznanka'

Caption	poznanka
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'znacka'

Caption	znacka
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(20)
Not Null	YES
Unique	NO

Attribute 'latinsky'

Caption	latinsky
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	NO
Unique	NO

Attribute 'protonoveCislo'

Caption	protonoveCislo
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute 'relativniAtomovaHmotnost'

Caption	relativniAtomovaHmotnost
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	NO
Unique	NO

Attribute 'skupina'

Caption	skupina
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Int(10)
Not Null	NO
Unique	NO

Attribute 'perioda'

Caption	perioda
Entity	PeriodickaTabulka
Primary Key	NO
Foreign Key	NO
Data Type	Int(10)
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	PeriodickaTabulka		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Pocasi'

Caption	Pocasi
Primary Key	Key27

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key27'

Attribute				Type	Parent Entity			
idPocasi				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPocasi		Int(11)	YES	NO	NO	NO	
	nazev		Char(50)	YES	YES	NO	NO	
	img		Char(20)	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorPocasi	Identifying	Uzivatele	Pocasi	1:N
maPocasi	Identifying	Pocasi	Karty	1:N

Keys

Type	Full Name	Attributes
PK	Key27	idPocasi, idUzivatel
AK	nazev	nazev

Attribute 'idPocasi'

Caption	idPocasi
Entity	Pocasi
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	Pocasi
Primary Key	NO
Foreign Key	NO
Data Type	Char(50)
Not Null	YES
Unique	YES

Attribute 'img'

Caption	img
Entity	Pocasi
Primary Key	NO
Foreign Key	NO
Data Type	Char(20)
Not Null	NO
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Pocasi
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Pocasi
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Pocasi		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Prilohy'

Caption	Prilohy
Primary Key	Key15

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key15'

Attribute		Type	Parent Entity					
idPrilohy		PK	-----					
idKarty		PFK	Karty, Karty, Karty, Karty					
idUzivatel		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPrilohy		Int(11)	YES	YES	NO	NO	
	nazev		Varchar(100)	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	nazevSoubor		Varchar(100)	YES	NO	NO	NO	
	typSoubor		Varchar(100)	YES	NO	NO	NO	
	velikostSoubor		Int(11)	YES	NO	NO	NO	
	obsahSoubor		Longblob	YES	NO	NO	NO	
PFK	idKarty		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
FK	idMereni		Int(11)	NO	NO	NO	NO	
FK	idOrganika		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maPrilohy	Identifying	Karty	Prilohy	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
maSpektrumFoto	Non-identifying	Mereni	Prilohy	1:N
maOrganikaFoto	Non-identifying	Organika	Prilohy	1:N

Keys

Type	Full Name	Attributes
PK	Key15	idPrilohy, idKarty, idUzivatel
AK	idPrilohy	idPrilohy

Indexes

Full Name	Attributes	Unique
IX_Relationship16	idMereni	NO
IX_maOrganikaFoto	idOrganika, idOrganika, idOrganika, idOrganika	NO

Attribute 'idPrilohy'

Caption	idPrilohy
Entity	Prilohy
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'nazevSoubor'

Caption	nazevSoubor
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'typSoubor'

Caption	typSoubor
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'velikostSoubor'

Caption	velikostSoubor
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute 'obsahSoubor'

Caption	obsahSoubor
Entity	Prilohy
Primary Key	NO
Foreign Key	NO
Data Type	Longblob
Not Null	YES
Unique	NO

Attribute 'idKarty'

Caption	idKarty		
Entity	Prilohy		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Karty, Karty, Karty, Karty
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Prilohy		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMereni'

Caption	idMereni		
Entity	Prilohy		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Mereni
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Attribute 'idOrganika'

Caption	idOrganika		
Entity	Prilohy		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Organika, Organika, Organika, Organika
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'PripravaVzorku'

Caption	PripravaVzorku
Primary Key	Key24

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key24'

Attribute				Type	Parent Entity			
idPripravaVzorku				PK	-----			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idPripravaVzorku		Int(11)	YES	NO	NO	NO	
	nazev		Varchar(50)	YES	NO	NO	NO	
	poznanka		Text	NO	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autortPripravaVzorku	Identifying	Uzivatele	PripravaVzorku	1:N
maPripravuVzorku	Non-identifying	PripravaVzorku	Faze	1:N

Keys

Type	Full Name	Attributes
PK	Key24	idPripravaVzorku, idUzivatel
AK	Key25	idPripravaVzorku

Attribute 'idPripravaVzorku'

Caption	idPripravaVzorku
Entity	PripravaVzorku
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'nazev'

Caption	nazev
Entity	PripravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	NO

Attribute 'poznámka'

Caption	poznámka
Entity	PripravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	PripravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	PripravaVzorku
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	PripravaVzorku		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Pristroje'

Caption	Pristroje
Primary Key	Key24

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key24'

Attribute				Type	Parent Entity			
idUzivatel				PFK	Uzivatele			
idMetody				PFK	Metody			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
	idPristroje		Varchar(50)	YES	NO	NO	NO	
	nazev		Varchar(50)	YES	NO	NO	NO	
	poznamka		Text	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idMetody		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorPristroje	Identifying	Uzivatele	Pristroje	1:N
maPristroje	Identifying	Metody	Pristroje	1:N
poskytujePristroje	Identifying	Pristroje	Mereni	1:N

Keys

Type	Full Name	Attributes
PK	Key24	idUzivatel, idMetody
AK	Key25	idPristroje

Attribute 'idPistroje'

Caption	idPistroje
Entity	Pistroje
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	NO

Attribute 'nazev'

Caption	nazev
Entity	Pistroje
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(50)
Not Null	YES
Unique	NO

Attribute 'poznámka'

Caption	poznámka
Entity	Pistroje
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Pistroje
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Pistroje
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Pristroje		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idMetody'

Caption	idMetody		
Entity	Pristroje		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Metody
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Slozeni'

Caption	Slozeni
Primary Key	Key23

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key23'

Attribute				Type	Parent Entity			
idSlozeni				PK	-----			
idPrvek				PFK	PeriodickaTabulka			
idUzivatel				PFK	Uzivatele			
idFaze				PFK	Faze, Faze, Faze			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idSlozeni		Int(11)	YES	NO	NO	NO	
	obsah		Double	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
PFK	idPrvek		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
PFK	idFaze		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
obsahujePrvky	Identifying	PeriodickaTabulka	Slozeni	1:N
autorSlozeni	Identifying	Uzivatele	Slozeni	1:N
maSlozeni	Identifying	Faze	Slozeni	1:N

Attribute 'idSlozeni'

Caption	idSlozeni
Entity	Slozeni
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'obsah'

Caption	obsah
Entity	Slozeni
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Slozeni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'idPrvek'

Caption	idPrvek		
Entity	Slozeni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	PeriodickaTabulka
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Slozeni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idFaze'

Caption	idFaze		
Entity	Slozeni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Faze, Faze, Faze
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Spektrum'

Caption	Spektrum
Primary Key	Key29

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key29'

Attribute				Type	Parent Entity			
idSpektrum				PK	-----			
idNIST				PFK	NIST, NIST			
idUzivatel				PFK	Uzivatele			
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idSpektrum		Int(11)	YES	NO	NO	NO	
	poznamka		Text	NO	NO	NO	NO	
PFK	idNIST		Int(11)	YES	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maSpektra	Identifying	NIST	Spektrum	1:N
maSpektrumHodnoty	Non-identifying	Spektrum	Hodnoty	1:N
autorSpektrum	Identifying	Uzivatele	Spektrum	1:N

Attribute 'idSpektrum'

Caption	idSpektrum
Entity	Spektrum
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
----------------------	-----

Attribute 'poznamka'

Caption	poznamka
Entity	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'idNIST'

Caption	idNIST		
Entity	Spektrum		
Primary Key	YES		
Foreign Key	YES	Parent Entity	NIST, NIST
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	Spektrum		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'platnost'

Caption	platnost
Entity	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Spektrum
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Entity 'SpojeniUzivatelOpravneni'

Caption	Spojenuzivateloopravneni
Primary Key	Key20

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key20'

Attribute		Type	Parent Entity					
idUzivatel		PFK	Uzivatele					
idOpravneni		PFK	Opravneni					
idUzivatelAutor		PFK	Uzivatele					
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	YES	
	platnost		Bool	YES	NO	NO	YES	
PFK	idOpravneni		Int(11)	YES	NO	NO	NO	
PFK	idUzivatelAutor		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorSpojeniUzivatelOpravneni	Identifying	Uzivatele	Spojenuzivateloopravneni	1:N
maOpravneni2	Identifying	Opravneni	Spojenuzivateloopravneni	1:N
maOpravneni1	Identifying	Uzivatele	Spojenuzivateloopravneni	1:N

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	SpojeniUzivatelOpravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'datum'

Caption	datum
Entity	SpojeniUzivatelOpravneni
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO
Default	CURRENT_TIMESTAMP

Attribute 'platnost'

Caption	platnost
Entity	SpojeniUzivatelOpravneni
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'idOpravneni'

Caption	idOpravneni		
Entity	SpojeniUzivatelOpravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Opravneni
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idUzivatelAutor'

Caption	idUzivatelAutor		
Entity	SpojeniUzivatelOpravneni		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Entity 'Uzivatele'

Caption	Uzivatele
Primary Key	Key18

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key18'

Attribute				Type		Parent Entity		
idUzivatel				PK		-----		
Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idUzivatel		Int(11)	YES	YES	NO	NO	
	jmeno		Varchar(100)	YES	NO	NO	NO	
	heslo		Varchar(100)	YES	NO	NO	NO	
	datumZalozeni		Datetime	YES	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	YES	
FK	FK_idUzivatel		Int(11)	NO	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
autorSpojeniUzivatelOpraveni	Identifying	Uzivatele	SpojeniUzivatelOpraveni	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
autorOpraveni	Identifying	Uzivatele	Opraveni	1:N
maOpraveni1	Identifying	Uzivatele	SpojeniUzivatelOpraveni	1:N
autorKarty	Identifying	Uzivatele	Karty	1:N
autorKde	Identifying	Uzivatele	Kde	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorFaze	Identifying	Uzivatele	Faze	1:N
autorPeriodickaTabulka	Identifying	Uzivatele	PeriodickaTabulka	1:N
autorSlozeni	Identifying	Uzivatele	Slozeni	1:N
autorPasy	Identifying	Uzivatele	Pasy	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorMetody	Identifying	Uzivatele	Metody	1:N
autorPristroje	Identifying	Uzivatele	Pristroje	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
autorPocasi	Identifying	Uzivatele	Pocasi	1:N
autorNIST	Identifying	Uzivatele	NIST	1:N
autorSpektrum	Identifying	Uzivatele	Spektrum	1:N
autorVybusninarskeParametry	Identifying	Uzivatele	VybusninarskeParametry	1:N
autorDruhKarty	Identifying	Uzivatele	DruhKarty	1:N
autorPriravaVzorku	Identifying	Uzivatele	PripravaVzorku	1:N
autorOrganika	Identifying	Uzivatele	Organika	1:N
autorCAS	Identifying	Uzivatele	CAS	1:N

Keys

Type	Full Name	Attributes
PK	Key18	idUzivatel
AK	idUzivatel	idUzivatel

Indexes

Full Name	Attributes	Unique
IX_Relationship8	FK_idUzivatel	NO

Attribute 'idUzivatel'

Caption	idUzivatel
Entity	Uzivatele
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	YES

Attribute Properties

Autoincrement	YES
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Attribute 'jmeno'

Caption	jmeno
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'heslo'

Caption	heslo
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Varchar(100)
Not Null	YES
Unique	NO

Attribute 'datumZalozeni'

Caption	datumZalozeni
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'datum'

Caption	datum
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	Uzivatele
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO
Default	1

Attribute 'FK_idUzivatel'

Caption	Foreign idUzivatel		
Entity	Uzivatele		
Primary Key	NO		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Entity 'VybusninarskeParametry'

Caption	VybusninarskeParametry
Primary Key	Key30

Entity Properties

Table Type	Default
Row Format	Default

Primary Key 'Key30'

Attribute	Type	Parent Entity
idVybusninarskeParametry	PK	-----
idKarty	PFK	Karty, Karty, Karty, Karty
idNIST1	PFK	NIST, NIST
idNIST2	PFK	NIST, NIST
idUzivatel	PFK	Uzivatele

Key	Full Name	Domain	Data Type	N ¹⁾	U ²⁾	C ³⁾	D ⁴⁾	Comments
PK	idVybusninarskeParametry		Int(11)	YES	NO	NO	NO	
	poznámka		Text	NO	NO	NO	NO	
	datum		Datetime	YES	NO	NO	NO	
	platnost		Bool	YES	NO	NO	NO	
PFK	idKarty		Int(11)	YES	NO	NO	NO	
	pomer12		Double	YES	NO	NO	NO	
	pomer23		Double	NO	NO	NO	NO	
PFK	idNIST1		Int(11)	YES	NO	NO	NO	
PFK	idNIST2		Int(11)	YES	NO	NO	NO	
FK	idNIST3		Int(11)	NO	NO	NO	NO	
PFK	idUzivatel		Int(11)	YES	NO	NO	NO	

Relationships

Full Name	Type	Parent Entity	Child Entity	Card.
maVybusninarskeParametry	Identifying	Karty	VybusninarskeParametry	1:N
latka1	Identifying	NIST	VybusninarskeParametry	1:N
latka2	Identifying	NIST	VybusninarskeParametry	1:N
latka3	Non-identifying	NIST	VybusninarskeParametry	1:N
autorVybusninarskeParametry	Identifying	Uzivatele	VybusninarskeParametry	1:N

Indexes

Full Name	Attributes	Unique
IX_Relationship12	idNIST3, idNIST3	NO

Attribute 'idVybusninarskeParametry'

Caption	idVybusninarskeParametry
Entity	VybusninarskeParametry
Primary Key	YES
Foreign Key	NO
Data Type	Int(11)
Not Null	YES
Unique	NO

Attribute Properties

Autoincrement	YES
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Attribute 'poznanka'

Caption	poznanka
Entity	VybusninarskeParametry
Primary Key	NO
Foreign Key	NO
Data Type	Text
Not Null	NO
Unique	NO

Attribute 'datum'

Caption	datum
Entity	VybusninarskeParametry
Primary Key	NO
Foreign Key	NO
Data Type	Datetime
Not Null	YES
Unique	NO

Attribute 'platnost'

Caption	platnost
Entity	VybusninarskeParametry
Primary Key	NO
Foreign Key	NO
Data Type	Bool
Not Null	YES
Unique	NO

Attribute 'idKarty'

Caption	idKarty		
Entity	VybusninarskeParametry		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Karty, Karty, Karty, Karty
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'pomer12'

Caption	pomer12
Entity	VybusninarskeParametry
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	YES
Unique	NO

Attribute 'pomer23'

Caption	pomer23
Entity	VybusninarskeParametry
Primary Key	NO
Foreign Key	NO
Data Type	Double
Not Null	NO
Unique	NO

Attribute 'idNIST1'

Caption	idNIST1		
Entity	VybusninarskeParametry		
Primary Key	YES		
Foreign Key	YES	Parent Entity	NIST, NIST
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idNIST2'

Caption	idNIST2		
Entity	VybusninarskeParametry		
Primary Key	YES		
Foreign Key	YES	Parent Entity	NIST, NIST
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

Attribute 'idNIST3'

Caption	idNIST3		
Entity	VybusninarskeParametry		
Primary Key	NO		
Foreign Key	YES	Parent Entity	NIST, NIST
Data Type	Int(11)		
Not Null	NO		
Unique	NO		

Attribute 'idUzivatel'

Caption	idUzivatel		
Entity	VybusninarskeParametry		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Uzivatele
Data Type	Int(11)		
Not Null	YES		
Unique	NO		

¹Not Null²Unique³Check⁴Default

Attribute Report

Full Name	Entity	Domain	Data Type	PK	FK
alternativniNazev	CAS		Text	NO	NO
datum	CAS		Datetime	NO	NO
idCAS	CAS		Int(11)	YES	NO
idUzivatel	CAS		Int(11)	YES	YES
kod	CAS		Varchar(200)	NO	NO
nazev	CAS		Text	NO	NO
nazevSoubor	CAS		Varchar(100)	NO	NO
obsahSoubor	CAS		Longblob	NO	NO
platnost	CAS		Bool	NO	NO
poznamka	CAS		Text	NO	NO
typSoubor	CAS		Varchar(100)	NO	NO
velikostSoubor	CAS		Int(11)	NO	NO
zkratka	CAS		Varchar(200)	NO	NO
datum	DruhKarty		Datetime	NO	NO
idDruhKarty	DruhKarty		Int(11)	YES	NO
idUzivatel	DruhKarty		Int(11)	YES	YES
nazev	DruhKarty		Varchar(50)	NO	NO
platnost	DruhKarty		Bool	NO	NO
poznamka	DruhKarty		Text	NO	NO
datum	Faze		Datetime(0)	NO	NO
datumProvedeni	Faze		Date	NO	NO
idDruhKarty	Faze		Int(11)	NO	YES
idFaze	Faze		Int(11)	YES	NO
idKarty	Faze		Int(11)	YES	YES
idNIST	Faze		Int(11)	NO	YES
idPripravaKarty	Faze		Int(11)	NO	YES
idUzivatel	Faze		Int(11)	YES	YES
nazev	Faze		Text	NO	NO
platnost	Faze		Bool	NO	NO
poznamka	Faze		Text	NO	NO
priprava	Faze		Text	NO	NO
datum	Hodnoty		Datetime	NO	NO
idHodnoty	Hodnoty		Int(11)	YES	NO
idMereni	Hodnoty		Int(11)	NO	YES
idSpektrum	Hodnoty		Int(11)	NO	YES
idUzivatel	Hodnoty		Int(11)	YES	YES
x	Hodnoty		Float	NO	NO
y	Hodnoty		Float	NO	NO
datum	Karty		Datetime(0)	NO	NO
idKarty	Karty		Int(11)	YES	NO
idKde	Karty		Int(11)	YES	YES
idPocasi	Karty		Int(11)	YES	YES
idUzivatel	Karty		Int(11)	YES	YES
kdy	Karty		Datetime(0)	NO	NO
kod	Karty		Text	NO	NO
parametryExperimentu	Karty		Text	NO	NO
platnost	Karty		Bool	NO	NO
poznamka	Karty		Text	NO	NO
datum	Kde		Datetime	NO	NO

idKde	Kde		Int(11)	YES	NO
idUzivatel	Kde		Int(11)	YES	YES
nazev	Kde		Varchar(50)	NO	NO
platnost	Kde		Bool	NO	NO
poznamka	Kde		Text	NO	NO
anorganika	Mereni		Bool	NO	NO
datum	Mereni		Datetime	NO	NO
idKarty	Mereni		Int(11)	YES	YES
idMereni	Mereni		Int(11)	YES	NO
idMetody	Mereni		Int(11)	YES	YES
idPristroje	Mereni		Int(11)	YES	YES
idUzivatel	Mereni		Int(11)	YES	YES
platnost	Mereni		Bool	NO	NO
podminky	Mereni		Text	NO	NO
poznamka	Mereni		Text	NO	NO
anorganika	Metody		Bool	NO	NO
datum	Metody		Datetime	NO	NO
fotoSpektrum	Metody		Bool	NO	NO
hodnoty	Metody		Bool	NO	NO
idMetody	Metody		Int(11)	YES	NO
idUzivatel	Metody		Int(11)	YES	YES
nazev	Metody		Varchar(50)	NO	NO
organika	Metody		Bool	NO	NO
pasy	Metody		Bool	NO	NO
platnost	Metody		Bool	NO	NO
poznamka	Metody		Text	NO	NO
CAS	NIST		Varchar(50)	NO	NO
datum	NIST		Datetime	NO	NO
idNIST	NIST		Int(11)	YES	NO
idUzivatel	NIST		Int(11)	YES	YES
nazev	NIST		Char(50)	NO	NO
platnost	NIST		Bool	NO	NO
datum	Opraveni		Datetime	NO	NO
idOpraveni	Opraveni		Int(11)	YES	NO
idUzivatel	Opraveni		Int(11)	YES	YES
nazev	Opraveni		Varchar(100)	NO	NO
platnost	Opraveni		Bool	NO	NO
poznamka	Opraveni		Text	NO	NO
idCAS	Organika		Int(11)	YES	YES
idMereni	Organika		Int(11)	YES	YES
idOrganika	Organika		Int(11)	YES	NO
idUzivatel	Organika		Int(11)	YES	YES
latka	Organika		Text	NO	NO
platnost	Organika		Bool	NO	NO
poradi	Organika		Int(11)	NO	NO
datum	Pasy		Datetime	NO	NO
hodnota	Pasy		Int(11)	NO	NO
idMereni	Pasy		Int(11)	YES	YES
idPasy	Pasy		Int(11)	YES	NO
idUzivatel	Pasy		Int(11)	YES	YES
silnySlabyPas	Pasy		Bool	NO	NO
datum	PeriodickaTabulka		Datetime	NO	NO
idPrvek	PeriodickaTabulka		Int(11)	YES	NO

idUzivatel	PeriodickaTabulka		Int(11)	YES	YES
latinsky	PeriodickaTabulka		Varchar(100)	NO	NO
nazev	PeriodickaTabulka		Varchar(30)	NO	NO
perioda	PeriodickaTabulka		Int(10)	NO	NO
poznamka	PeriodickaTabulka		Text	NO	NO
protonoveCislo	PeriodickaTabulka		Int(11)	NO	NO
relativniAtomovaHmotnost	PeriodickaTabulka		Varchar(100)	NO	NO
skupina	PeriodickaTabulka		Int(10)	NO	NO
znacka	PeriodickaTabulka		Varchar(20)	NO	NO
datum	Pocasi		Datetime	NO	NO
idPocasi	Pocasi		Int(11)	YES	NO
idUzivatel	Pocasi		Int(11)	YES	YES
img	Pocasi		Char(20)	NO	NO
nazev	Pocasi		Char(50)	NO	NO
platnost	Pocasi		Bool	NO	NO
datum	Prilohy		Datetime	NO	NO
idKarty	Prilohy		Int(11)	YES	YES
idMereni	Prilohy		Int(11)	NO	YES
idOrganika	Prilohy		Int(11)	NO	YES
idPrilohy	Prilohy		Int(11)	YES	NO
idUzivatel	Prilohy		Int(11)	YES	YES
nazev	Prilohy		Varchar(100)	NO	NO
nazevSoubor	Prilohy		Varchar(100)	NO	NO
obsahSoubor	Prilohy		Longblob	NO	NO
typSoubor	Prilohy		Varchar(100)	NO	NO
velikostSoubor	Prilohy		Int(11)	NO	NO
datum	PripravaVzorku		Datetime	NO	NO
idPripravaVzorku	PripravaVzorku		Int(11)	YES	NO
idUzivatel	PripravaVzorku		Int(11)	YES	YES
nazev	PripravaVzorku		Varchar(50)	NO	NO
platnost	PripravaVzorku		Bool	NO	NO
poznamka	PripravaVzorku		Text	NO	NO
datum	Pristroje		Datetime	NO	NO
idMetody	Pristroje		Int(11)	YES	YES
idPristroje	Pristroje		Varchar(50)	NO	NO
idUzivatel	Pristroje		Int(11)	YES	YES
nazev	Pristroje		Varchar(50)	NO	NO
platnost	Pristroje		Bool	NO	NO
poznamka	Pristroje		Text	NO	NO
datum	Slozeni		Datetime	NO	NO
idFaze	Slozeni		Int(11)	YES	YES
idPrvek	Slozeni		Int(11)	YES	YES
idSlozeni	Slozeni		Int(11)	YES	NO
idUzivatel	Slozeni		Int(11)	YES	YES
obsah	Slozeni		Double	NO	NO
datum	Spektrum		Datetime	NO	NO
idNIST	Spektrum		Int(11)	YES	YES
idSpektrum	Spektrum		Int(11)	YES	NO
idUzivatel	Spektrum		Int(11)	YES	YES
platnost	Spektrum		Bool	NO	NO
poznamka	Spektrum		Text	NO	NO
datum	SpojjeniUzivatelOpravne ni		Datetime	NO	NO

idOpravneni	SpojeniUzivatelOpravneni		Int(11)	YES	YES
idUzivatel	SpojeniUzivatelOpravneni		Int(11)	YES	YES
idUzivatelAutor	SpojeniUzivatelOpravneni		Int(11)	YES	YES
platnost	SpojeniUzivatelOpravneni		Bool	NO	NO
datum	Uzivatele		Datetime	NO	NO
datumZalozeni	Uzivatele		Datetime	NO	NO
FK_idUzivatel	Uzivatele		Int(11)	NO	YES
heslo	Uzivatele		Varchar(100)	NO	NO
idUzivatel	Uzivatele		Int(11)	YES	NO
jmeno	Uzivatele		Varchar(100)	NO	NO
platnost	Uzivatele		Bool	NO	NO
datum	VybusninarskeParametry		Datetime	NO	NO
idKarty	VybusninarskeParametry		Int(11)	YES	YES
idNIST1	VybusninarskeParametry		Int(11)	YES	YES
idNIST2	VybusninarskeParametry		Int(11)	YES	YES
idNIST3	VybusninarskeParametry		Int(11)	NO	YES
idUzivatel	VybusninarskeParametry		Int(11)	YES	YES
idVybusninarskeParametry	VybusninarskeParametry		Int(11)	YES	NO
platnost	VybusninarskeParametry		Bool	NO	NO
pomer12	VybusninarskeParametry		Double	NO	NO
pomer23	VybusninarskeParametry		Double	NO	NO
poznamka	VybusninarskeParametry		Text	NO	NO

Key Report

Type	Full Name	Entity
PK	Key29	CAS
PK	Key24	DruhKarty
AK	Key25	DruhKarty
PK	Key26	Faze
AK	idHodnoty	Hodnoty
PK	Key12	Hodnoty
PK	Key21	Karty
PK	Key24	Kde
AK	Key25	Kde
AK	idMereni	Mereni
PK	Key8	Mereni
AK	idKraj	Metody
PK	Key7	Metody
AK	nazev	Metody
PK	Key28	NIST
AK	idOpraveni	Opraveni
PK	Key19	Opraveni
AK	nazev	Opraveni
PK	Key31	Organika
AK	idHodnoty	Pasy
PK	Key12	Pasy
AK	idPrvek	PeriodickaTabulka
PK	Key22	PeriodickaTabulka
PK	Key27	Pocasi
AK	nazev	Pocasi
AK	idPrilohy	Prilohy
PK	Key15	Prilohy
PK	Key24	PripravaVzorku
AK	Key25	PripravaVzorku
PK	Key24	Pristroje
AK	Key25	Pristroje
PK	Key23	Slozeni
PK	Key29	Spektrum
PK	Key20	SpojeniUzivatelOpraveni
AK	idUzivatel	Uzivatele
PK	Key18	Uzivatele
PK	Key30	VybusninarskeParametry

Key 'Key29'

Caption	Key29		
Type	Primary Key		
Entity	CAS		
Attribute	Order	Foreign Key	
idCAS	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key24'

Caption	Key24		
Type	Primary Key		
Entity	DruhKarty		
Attribute	Order	Foreign Key	
idDruhKarty	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key25'

Caption	Key25		
Type	Alternate Key		
Entity	DruhKarty		
Attribute	Order	Foreign Key	
idDruhKarty	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key26'

Caption	Key26		
Type	Primary Key		
Entity	Faze		
Attribute	Order	Foreign Key	
idFaze	ASC	NO	
idUzivatel	ASC	YES	
idKarty	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idHodnoty'

Caption	idHodnoty		
Type	Alternate Key		
Entity	Hodnoty		
Attribute	Order	Foreign Key	
idHodnoty	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key12'

Caption	Key12		
Type	Primary Key		
Entity	Hodnoty		
Attribute	Order	Foreign Key	
idHodnoty	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key21'

Caption	Key21		
Type	Primary Key		
Entity	Karty		
Attribute	Order	Foreign Key	
idKarty	ASC	NO	
idUzivatel	ASC	YES	
idKde	ASC	YES	
idPocasi	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key24'

Caption	Key24		
Type	Primary Key		
Entity	Kde		
Attribute	Order	Foreign Key	
idKde	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key25'

Caption	Key25		
Type	Alternate Key		
Entity	Kde		
Attribute	Order	Foreign Key	
idKde	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'idMereni'

Caption	idMereni		
Type	Alternate Key		
Entity	Mereni		
Attribute	Order	Foreign Key	
idMereni	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key8'

Caption	Key8		
Type	Primary Key		
Entity	Mereni		
Attribute	Order	Foreign Key	
idMereni	ASC	NO	
idUzivatel	ASC	YES	
idKarty	ASC	YES	
idMetody	ASC	YES	
idPristroje	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idKraj'

Caption	idKraj		
Type	Alternate Key		
Entity	Metody		
Attribute	Order	Foreign Key	
idMetody	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key7'

Caption	Key7		
Type	Primary Key		
Entity	Metody		
Attribute	Order	Foreign Key	
idMetody	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'nazev'

Caption	nazev		
Type	Alternate Key		
Entity	Metody		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key28'

Caption	Key28		
Type	Primary Key		
Entity	NIST		
Attribute	Order	Foreign Key	
idNIST	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idOpravneni'

Caption	idOpravneni		
Type	Alternate Key		
Entity	Opravneni		
Attribute	Order	Foreign Key	
idOpravneni	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key19'

Caption	Key19		
Type	Primary Key		
Entity	Opraveni		
Attribute	Order	Foreign Key	
idOpraveni	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'nazev'

Caption	nazev		
Type	Alternate Key		
Entity	Opraveni		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key31'

Caption	Key31		
Type	Primary Key		
Entity	Organika		
Attribute	Order	Foreign Key	
idOrganika	ASC	NO	
idMereni	ASC	YES	
idUzivatel	ASC	YES	
idCAS	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idHodnoty'

Caption	idHodnoty		
Type	Alternate Key		
Entity	Pasy		
Attribute	Order	Foreign Key	
idPasy	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key12'

Caption	Key12		
Type	Primary Key		
Entity	Pasy		
Attribute	Order	Foreign Key	
idPasy	ASC	NO	
idUzivatel	ASC	YES	
idMereni	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idPrvek'

Caption	idPrvek		
Type	Alternate Key		
Entity	PeriodickaTabulka		
Attribute	Order	Foreign Key	
idPrvek	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key22'

Caption	Key22		
Type	Primary Key		
Entity	PeriodickaTabulka		
Attribute	Order	Foreign Key	
idPrvek	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key27'

Caption	Key27		
Type	Primary Key		
Entity	Pocasi		
Attribute	Order	Foreign Key	
idPocasi	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'nazev'

Caption	nazev		
Type	Alternate Key		
Entity	Pocasi		
Attribute	Order	Foreign Key	
nazev	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'idPrilohy'

Caption	idPrilohy		
Type	Alternate Key		
Entity	Prilohy		
Attribute	Order	Foreign Key	
idPrilohy	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key15'

Caption	Key15		
Type	Primary Key		
Entity	Prilohy		
Attribute	Order	Foreign Key	
idPrilohy	ASC	NO	
idKarty	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key24'

Caption	Key24		
Type	Primary Key		
Entity	PripravaVzorku		
Attribute	Order	Foreign Key	
idPripravaVzorku	ASC	NO	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key25'

Caption	Key25		
Type	Alternate Key		
Entity	PripravaVzorku		
Attribute	Order	Foreign Key	
idPripravaVzorku	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key24'

Caption	Key24		
Type	Primary Key		
Entity	Pristroje		
Attribute	Order	Foreign Key	
idUzivatel	ASC	YES	
idMetody	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key25'

Caption	Key25		
Type	Alternate Key		
Entity	Pristroje		
Attribute	Order	Foreign Key	
idPristroje	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key23'

Caption	Key23		
Type	Primary Key		
Entity	Slozeni		
Attribute	Order	Foreign Key	
idSlozeni	ASC	NO	
idPrvek	ASC	YES	
idUzivatel	ASC	YES	
idFaze	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key29'

Caption	Key29		
Type	Primary Key		
Entity	Spektrum		
Attribute	Order	Foreign Key	
idSpektrum	ASC	NO	
idNIST	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key20'

Caption	Key20		
Type	Primary Key		
Entity	SpojeniUzivatelOpraveni		
Attribute	Order	Foreign Key	
idUzivatel	ASC	YES	
idOpraveni	ASC	YES	
idUzivatelAutor	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Key 'idUzivatel'

Caption	idUzivatel		
Type	Alternate Key		
Entity	Uzivatele		
Attribute	Order	Foreign Key	
idUzivatel	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key18'

Caption	Key18		
Type	Primary Key		
Entity	Uzivatele		
Attribute	Order	Foreign Key	
idUzivatel	ASC	NO	

Key Properties

Index Type	Default
-------------------	---------

Key 'Key30'

Caption	Key30		
Type	Primary Key		
Entity	VybusninarskeParametry		
Attribute	Order	Foreign Key	
idVybusninarskeParametry	ASC	NO	
idKarty	ASC	YES	
idNIST1	ASC	YES	
idNIST2	ASC	YES	
idUzivatel	ASC	YES	

Key Properties

Index Type	Default
-------------------	---------

Index Report

Full Name	Unique	Entity
IX_maNIST	NO	Faze
IX_Relationship1	NO	Faze
IX_Relationship3	NO	Faze
IX_maHodnoty	NO	Hodnoty
IX_Relationship4	NO	Hodnoty
IX_maOrganikaFoto	NO	Prilohy
IX_Relationship16	NO	Prilohy
IX_Relationship8	NO	Uzivatele
IX_Relationship12	NO	VybusninarskeParametry

Index 'IX_maNIST'

Caption	IX_maNIST			
Entity	Faze			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idNIST	ASC	NO	YES	
idNIST	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship1'

Caption	IX_Relationship1			
Entity	Faze			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idDruhKarty	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship3'

Caption	IX_Relationship3			
Entity	Faze			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idPripravaKarty	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_maHodnoty'

Caption	IX_maHodnoty			
Entity	Hodnoty			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idMereni	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship4'

Caption	IX_Relationship4			
Entity	Hodnoty			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idSpektrum	ASC	NO	YES	
idSpektrum	ASC	NO	YES	
idSpektrum	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_maOrganikaFoto'

Caption	IX_maOrganikaFoto			
Entity	Prilohy			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idOrganika	ASC	NO	YES	
idOrganika	ASC	NO	YES	
idOrganika	ASC	NO	YES	
idOrganika	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship16'

Caption	IX_Relationship16			
Entity	Prilohy			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idMereni	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship8'

Caption	IX_Relationship8			
Entity	Uzivatele			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
FK_idUzivatel	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Index 'IX_Relationship12'

Caption	IX_Relationship12			
Entity	VybusninarskeParametry			
Unique	NO			
Attribute	Order	Primary Key	Foreign Key	
idNIST3	ASC	NO	YES	
idNIST3	ASC	NO	YES	

Index Properties

Index Type	Default
-------------------	---------

Relationship Report

Full Name	Type	Parent Entity	Child Entity	Card.
autorCAS	Identifying	Uzivatele	CAS	1:N
autorDruhKarty	Identifying	Uzivatele	DruhKarty	1:N
autorFaze	Identifying	Uzivatele	Faze	1:N
autorHodnoty	Identifying	Uzivatele	Hodnoty	1:N
autorKarty	Identifying	Uzivatele	Karty	1:N
autorKde	Identifying	Uzivatele	Kde	1:N
autorMereni	Identifying	Uzivatele	Mereni	1:N
autorMetody	Identifying	Uzivatele	Metody	1:N
autorNIST	Identifying	Uzivatele	NIST	1:N
autorOpraveni	Identifying	Uzivatele	Opraveni	1:N
autorOrganika	Identifying	Uzivatele	Organika	1:N
autorPasy	Identifying	Uzivatele	Pasy	1:N
autorPeriodickaTabulka	Identifying	Uzivatele	PeriodickaTabulka	1:N
autorPocasi	Identifying	Uzivatele	Pocasi	1:N
autorPrilohy	Identifying	Uzivatele	Prilohy	1:N
autorPristroje	Identifying	Uzivatele	Pristroje	1:N
autorSlozeni	Identifying	Uzivatele	Slozeni	1:N
autorSpektrum	Identifying	Uzivatele	Spektrum	1:N
autorSpojeniUzivatelOpraveni	Identifying	Uzivatele	Spojenuzivateloopraveni	1:N
autorPripravaVzorku	Identifying	Uzivatele	PripravaVzorku	1:N
autorUzivatele	Non-identifying	Uzivatele	Uzivatele	1:N
autorVybusninarskeParametry	Identifying	Uzivatele	VybusninarskeParametry	1:N
jeKde	Identifying	Kde	Karty	1:N
latka1	Identifying	NIST	VybusninarskeParametry	1:N
latka2	Identifying	NIST	VybusninarskeParametry	1:N
latka3	Non-identifying	NIST	VybusninarskeParametry	1:N
maCAS	Identifying	CAS	Organika	1:N
maDruhKarty	Non-identifying	DruhKarty	Faze	1:N
maFaze	Identifying	Karty	Faze	1:N
maHodnoty	Non-identifying	Mereni	Hodnoty	1:N
maMereni	Identifying	Karty	Mereni	1:N
maNIST	Non-identifying	NIST	Faze	1:N
maOpraveni1	Identifying	Uzivatele	Spojenuzivateloopraveni	1:N
maOpraveni2	Identifying	Opraveni	Spojenuzivateloopraveni	1:N
maOrganika	Identifying	Mereni	Organika	1:N
maOrganikaFoto	Non-identifying	Organika	Prilohy	1:N
maPasy	Identifying	Mereni	Pasy	1:N
maPocasi	Identifying	Pocasi	Karty	1:N
maPrilohy	Identifying	Karty	Prilohy	1:N
maPripravuVzorku	Non-identifying	PripravaVzorku	Faze	1:N
maPristroje	Identifying	Metody	Pristroje	1:N
maSlozeni	Identifying	Faze	Slozeni	1:N

maSpektra	Identifying	NIST	Spektrum	1:N
maSpektrumFoto	Non-identifying	Mereni	Prilohy	1:N
maSpektrumHodnoty	Non-identifying	Spektrum	Hodnoty	1:N
maVybusninarskeParametry	Identifying	Karty	VybusninarskeParametry	1:N
obsahujePrvky	Identifying	PeriodickaTabulka	Slozeni	1:N
poskytujeMetody	Identifying	Metody	Mereni	1:N
poskytujePristroje	Identifying	Pristroje	Mereni	1:N

Relationship 'autorCAS'

Caption	autorCAS		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	CAS		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorDruhKarty'

Caption	autorDruhKarty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	DruhKarty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	Key18

Relationship 'autorFaze'

Caption	autorFaze		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Faze		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	Key18

Relationship 'autorHodnoty'

Caption	autorHodnoty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorKarty'

Caption	autorKarty		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Karty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorKde'

Caption	autorKde		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Kde		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorMereni'

Caption	autorMereni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorMetody'

Caption	autorMetody		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Metody		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorNIST'

Caption	autorNIST		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	NIST		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorOpravneni'

Caption	autorOpravneni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Opravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorOrganika'

Caption	autorOrganika		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Organika		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorPasy'

Caption	autorPasy		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Pasy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorPeriodickaTabulka'

Caption	autorPeriodickaTabulka		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	PeriodickaTabulka		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorPocasi'

Caption	autorPocasi		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Pocasi		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorPrilohy'

Caption	autorPrilohy		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorPristroje'

Caption	autorPristroje		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Pristroje		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorSlozeni'

Caption	autorSlozeni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Slozeni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorSpektrum'

Caption	autorSpektrum		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Spektrum		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	Key18

Relationship 'autorSpojeniUzivatelOpravneni'

Caption	autorSpojeniUzivatelOpravneni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	SpojeniUzivatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autortPriravaVzorku'

Caption	autortPriravaVzorku		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	PripravaVzorku		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'autorUzivatele'

Caption	autorUzivatele		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	Uzivatele		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	Key18

Relationship 'autorVybusninarskeParametry'

Caption	autorVybusninarskeParametry		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	VybusninarskeParametry		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idUzivatel'	idUzivatel	idUzivatel

Relationship 'jeKde'

Caption	jeKde		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Kde		
Child Entity	Karty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'Key25'	idKde	Key25

Relationship 'latka1'

Caption	latka1		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	NIST		
Child Entity	VybusninarskeParametry		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key28'	idNIST	Key28
	idUzivatel	Key28

Relationship 'latka2'

Caption	latka2		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	NIST		
Child Entity	VybusninarskeParametry		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key28'	idNIST	Key28
	idUzivatel	Key28

Relationship 'latka3'

Caption	latka3		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	NIST		
Child Entity	VybusninarskeParametry		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key28'	idNIST	Key28
	idUzivatel	Key28

Relationship 'maCAS'

Caption	maCAS		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	CAS		
Child Entity	Organika		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key29'	idCAS	Key29
	idUzivatel	Key29

Relationship 'maDruhKarty'

Caption	maDruhKarty		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	DruhKarty		
Child Entity	Faze		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'Key25'	idDruhKarty	Key25

Relationship 'maFaze'

Caption	maFaze		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Karty		
Child Entity	Faze		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idKarty	Key21
	idUzivatel	Key21
	idKde	Key21
	idPocasi	Key21

Relationship 'maHodnoty'

Caption	maHodnoty		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idMereni'	idMereni	idMereni

Relationship 'maMereni'

Caption	maMereni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Karty		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idKarty	Key21
	idUzivatel	Key21
	idKde	Key21
	idPocasi	Key21

Relationship 'maNIST'

Caption	maNIST		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	NIST		
Child Entity	Faze		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key28'	idNIST	Key28
	idUzivatel	Key28

Relationship 'maOpravneni1'

Caption	maOpravneni1		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Uzivatele		
Child Entity	SpojeniUzivatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key18'	idUzivatel	Key18

Relationship 'maOpravneni2'

Caption	maOpravneni2		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Opravneni		
Child Entity	SpojeniUzivatelOpravneni		

Referential Integrity

	Update	Delete
Parent	NO ACTION	NO ACTION

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idOpravneni'	idOpravneni	idOpravneni

Relationship 'maOrganika'

Caption	maOrganika		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Organika		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idMereni'	idMereni	idMereni

Relationship 'maOrganikaFoto'

Caption	maOrganikaFoto		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	YES		
Parent Entity	Organika		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key31'	idOrganika	Key31
	idMereni	Key31
	idUzivatel	Key31
	idCAS	Key31

Relationship 'maPasy'

Caption	maPasy		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Pasy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idMereni'	idMereni	idMereni

Relationship 'maPocasi'

Caption	maPocasi		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Pocasi		
Child Entity	Karty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key27'	idPocasi	Key27
	idUzivatel	Key27

Relationship 'maPrilohy'

Caption	maPrilohy		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Karty		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idKarty	Key21
	idUzivatel	Key21
	idKde	Key21
	idPocasi	Key21

Relationship 'maPripravuVzorku'

Caption	maPripravuVzorku		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	PripravaVzorku		
Child Entity	Faze		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'Key25'	idPripravaVzorku	Key25

Relationship 'maPristroje'

Caption	maPristroje		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Metody		
Child Entity	Pristroje		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idKraj'	idMetody	idKraj

Relationship 'maSlozeni'

Caption	maSlozeni		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Faze		
Child Entity	Slozeni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key26'	idFaze	Key26
	idUzivatel	Key26
	idKarty	Key26

Relationship 'maSpektra'

Caption	maSpektra		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	NIST		
Child Entity	Spektrum		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key28'	idNIST	Key28
	idUzivatel	Key28

Relationship 'maSpektrumFoto'

Caption	maSpektrumFoto		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	Mereni		
Child Entity	Prilohy		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idMereni'	idMereni	idMereni

Relationship 'maSpektrumHodnoty'

Caption	maSpektrumHodnoty		
Type	Non-identifying	Cardinality	1:N
Mandatory Parent	NO		
Mandatory Child	NO		
Parent Entity	Spektrum		
Child Entity	Hodnoty		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key29'	idSpektrum	Key29
	idNIST	Key29
	idUzivatel	Key29

Relationship 'maVybusninarskeParametry'

Caption	maVybusninarskeParametry		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Karty		
Child Entity	VybusninarskeParametry		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key21'	idKarty	Key21
	idUzivatel	Key21
	idKde	Key21
	idPocasi	Key21

Relationship 'obsahujePrvky'

Caption	obsahujePrvky		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	PeriodickaTabulka		
Child Entity	Slozeni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'idPrvek'	idPrvek	idPrvek

Relationship 'poskytujeMetody'

Caption	poskytujeMetody		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Metody		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Primary Key 'Key7'	idMetody	Key7
	idUzivatel	Key7

Relationship 'poskytujePristroje'

Caption	poskytujePristroje		
Type	Identifying	Cardinality	1:N
Mandatory Parent	YES		
Mandatory Child	NO		
Parent Entity	Pristroje		
Child Entity	Mereni		

Referential Integrity

	Update	Delete
Parent	RESTRICT	RESTRICT

Keys

Key Type	Parent Key	Child Key
Alternate Key 'Key25'	idPistroje	Key25

Statistic Information

Entities	22				
Attributes	176				
Domains	0				
User Data Types	0				
Relationships	49	Identifying	40	Non-identifying	9
Indexes	9				
Keys	37	Primary Keys	22	Alternate Keys	15
Entity Triggers	0				
Views	0				
View Relationships	0				
Procedures	0				
Functions	0				
Defaults	0				
Databases	0				
Users	0				
User Groups	0				
Notes	0				