

# ArcGIS dasturi va uning ilovalari

ArcCatalog, ArcGIS dasturining ilovasi sanalib, ishchi sohalarda va geoma'lumotlar bazasida geografik axborot bilan ishlaydi va boshqaradi. Ishchi sohalar – bu diskdagi fayllarga ega papkalar bo'lib, sizning ma'lumotlaringiz – karta hujjatlari, tasvirlar, ma'lumotlar fayllari, geoishlov berish modellari, geoma'lumotlar bazasi va boshqalarni tashkil etish uchun foydalaniladi. Ishchi sohalar GAT axborotini mantiqiy to'plamini tashkil qilish va birgalikda foydalanishning oddiy usuli hisoblanadi.

Geoma'lumotlar bazasi- bu turli jiltdagi geografik malumotlar to'plamlarini yig'ish bo'lib, ular ArcGISda foydaniladi. Geoma'lumotlar bazasi tomonidan axborotni saqlashni bir necha usullari mavjud:

- Geoma'lumotlarning fayl bazasi – diskdagi fayllarga ega papka;
- Geom'alumotlarning personal bazasi – Microsoft Access (.mdb) ma'lumotlari bazasi fayli.



File Edit View Go Geoprocessing Customize Windows Help



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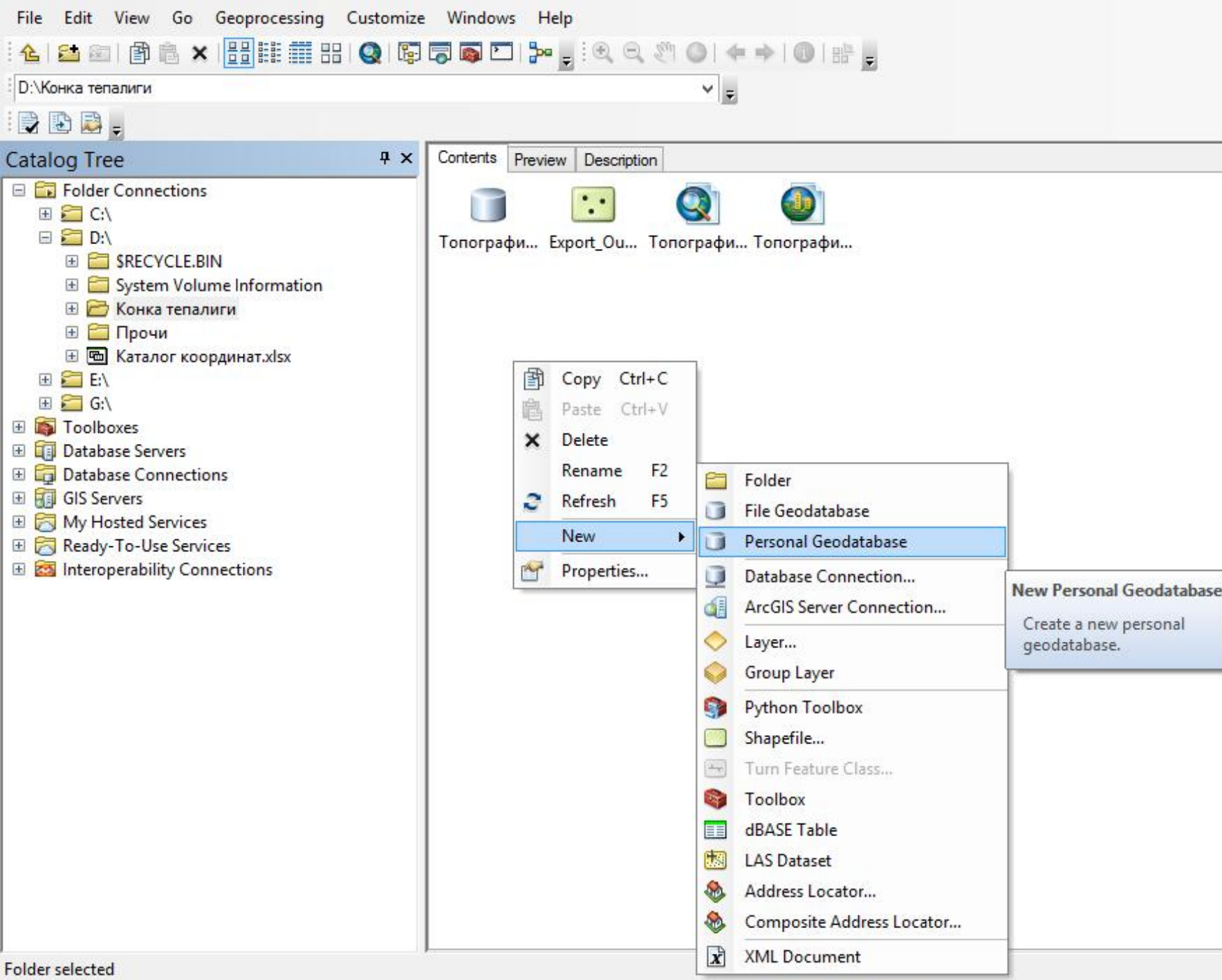


## Catalog Tree

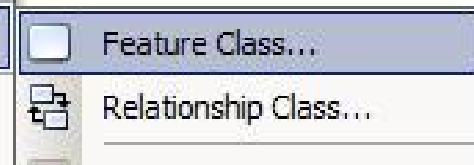
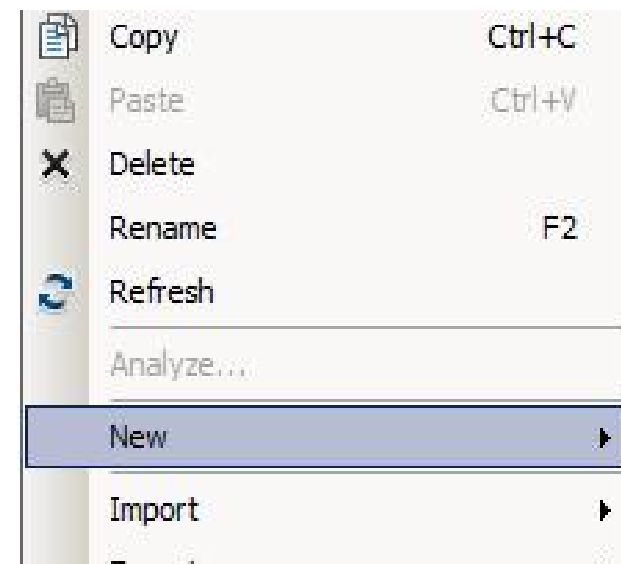
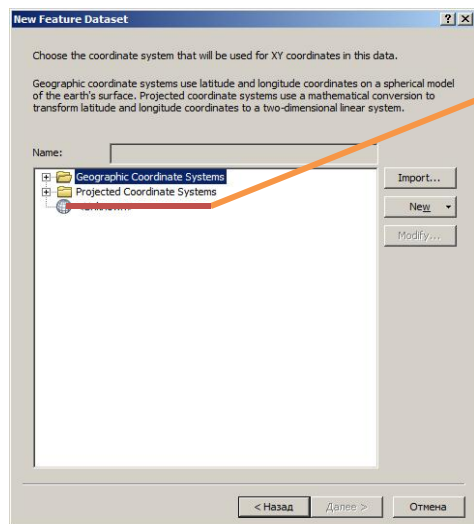
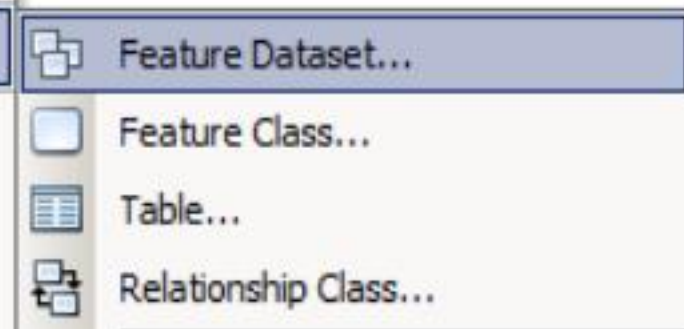
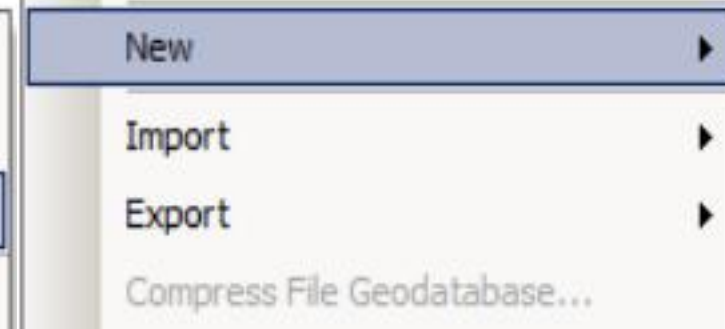
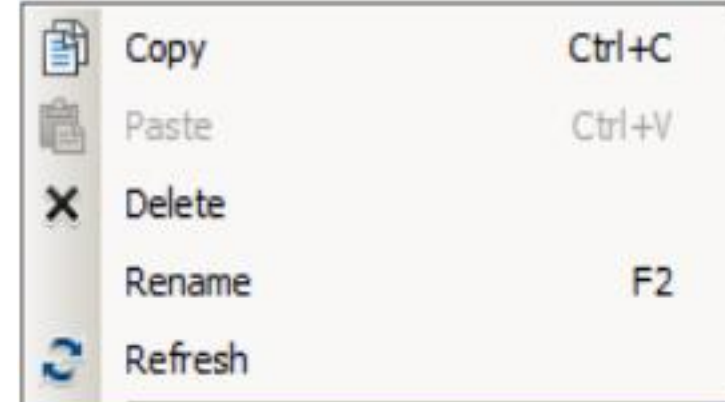
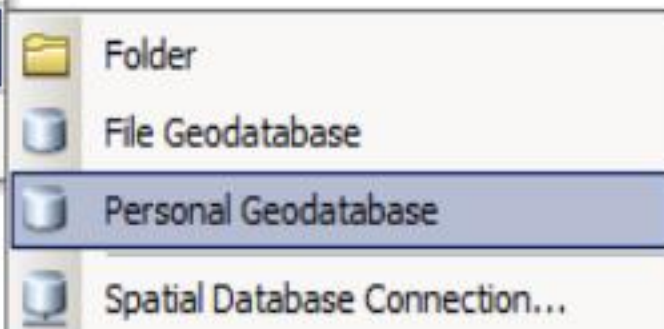
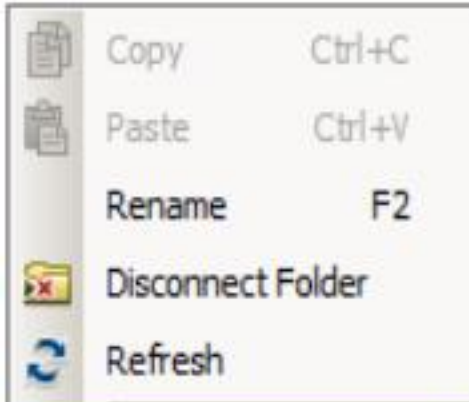
- [-] Folder Connections
  - [+] C:\
  - [+] D:\
  - [+] E:\
  - [+] G:\
- [+] Toolboxes
- [+] Database Servers
- [+] Database Connections
- [+] GIS Servers
- [+] My Hosted Services
- [+] Ready-To-Use Services
- [+] Interoperability Connections

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E S R I  
k o m p a n i y a s i g a  
tegishli bo'lgan ArcGis  
dasturida geografik  
ma'lumotlar bazasini  
y a r a t i s h u c h u n  
mazkur dasturning  
ArcCatalog ilovasidan  
f o y d a l a n i l a d i .  
A r c C a t a l o g  
ta'minotining ishchi  
oynasi ochilgach  
Catalog daraxti  
yordamida kerakli  
bo'lgan xotira diski  
tanlanib olinadi.



### New Feature Class

Name:

Alias:

Type

Type of features stored in this feature class:

Polygon Features

- Polygon Features
- Line Features
- Point Features
- Multipoint Features
- MultiPatch Features
- Dimension Features
- Annotation Features

### New Feature Class

Field Name	Data Type
OBJECTID	Object ID
SHAPE	Geometry
Номи	Text

Click any field to see its properties.

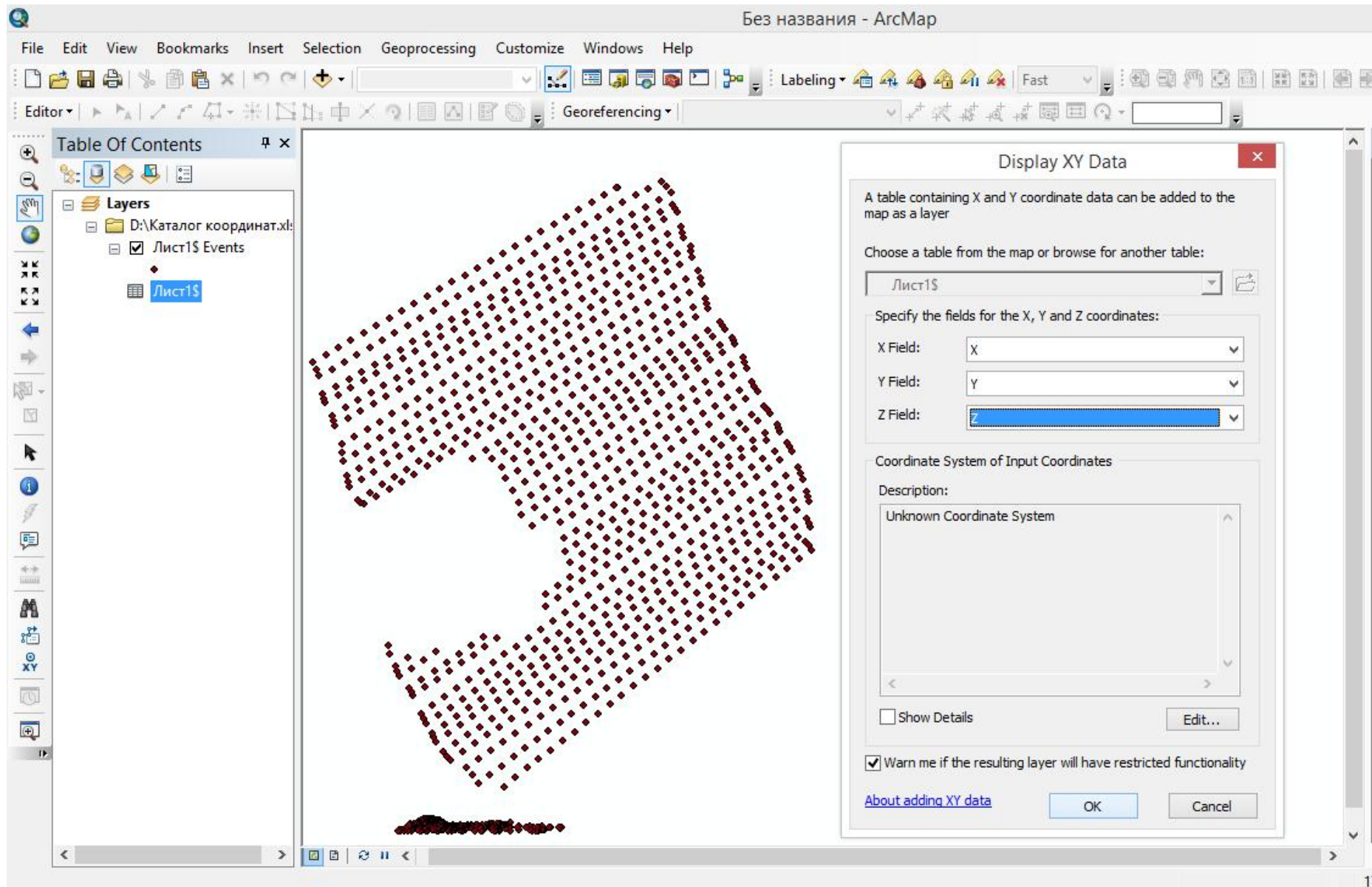
Field Properties

Alias		
Allow NULL values	Yes	
Default Value		
Length	50	

### 3, Geodezik qiymatlarni qayta ishlab uch o`lchamli model qurish

ArcMap ilovasi yuklangach, dobavit danniy tugmachasi yordamida elektron taxseometrda yuklab olingan koordinatalar kotalogi yuklab olinadi. Natijada mazkur fayl tablitsa soderjirniya qatoriga tushadi. Koordinatalar fayliga sichqonchaning o`ng tugmasini bosib dobavit x,y danniy qatoriga kiriladi. Ko`rsatilishi lozim bo`lgan qatorlarga belgilangan ma`lumotlar keltiriladi va ok tugmachasini bosish orqaliy jadval ko`rinishiga ega bo`lgan ma`lumotlarni qiymati (koordinatalari)ga asoslanib geografik ko`rinishi namayon bo`ladi.



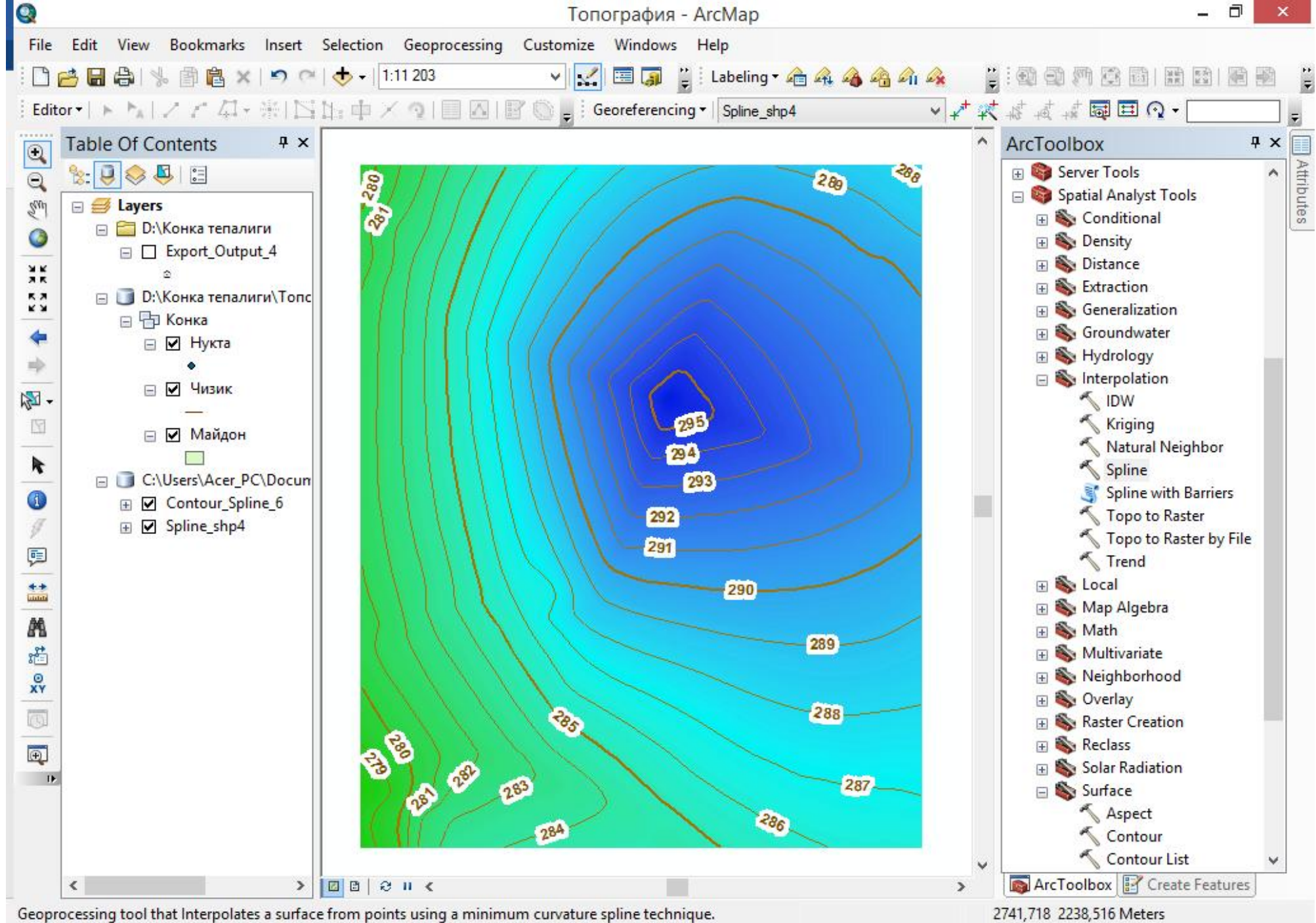


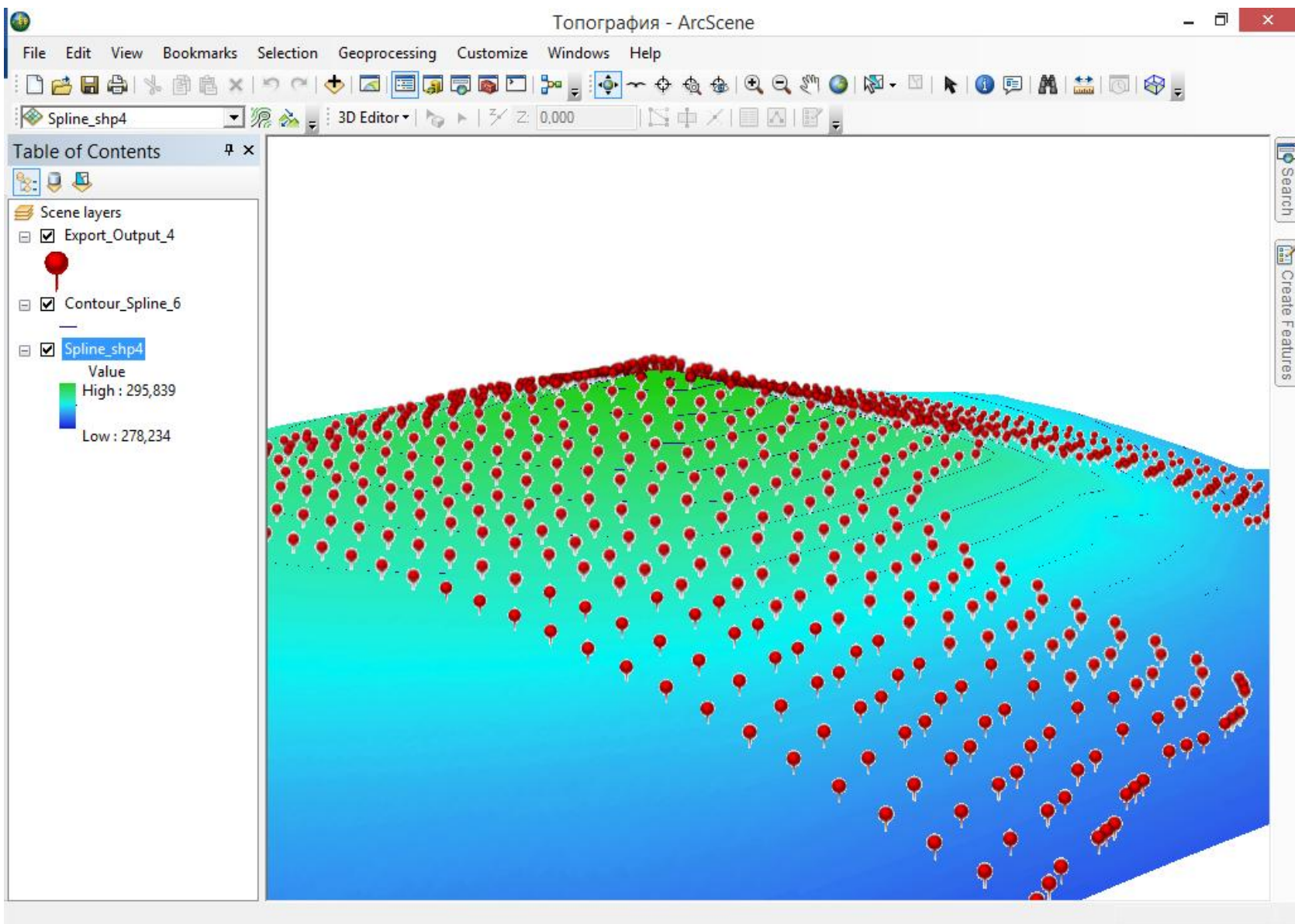
Vizuallashtirilgan koordina qiymatlarini, mavzuli vektor turdagi qatlamlarga aylantiriladi. Natijada vektor turga aylantirilgan koordinata qiymatlari tablitsa soderjeniya qatoridan o`chirib tashlanadi.

Mavzuli qatlamga shartli belgilar berish, natpis qismidan atribut yozuvlarini namoyon qilish ishlari amalga ishirladi.

Nuqta ko`rinishidagi mavzuli qatlamlardan foydalanib interpolyatsiya usuli orqali xududning relefi amalga oshiriladi. Buning uchun. ArcToolbox moduli aktivlashtiriladi. Spatial Analyst Tools qatoriga kirilib Interpolation bandi ochiladi va natijada hosil bo`lgan tahliliy bo`yruqlar qatoridan Spline ustiga sichqonchaning chap tugmasi ikki marta bosiladi. Hosil bo`lgan darcha talablari bajariladi va ok tugmachasi bosilib hudud sirti yaratiladi. Hosil bo`lgan sirtdan foydalanib, Spatial Analyst Tools qatoridagi Surface bandi ochiladi va Contour tahliliy bo`yrug`I tanlanadi. Natijada ekranda darcha hosil bo`ladi. Darchaga mazkur yaratilgan sirt ko`rsatilib relef kesim balandligi masshtabdan kelib chiqib kiritiladi va ok tugmachasi bosiladi.







Y u q o r i d a g i  
bajarilgan ishlardan  
kelib chiqib, dala  
qidiruv ishlarini  
bajarish davomidagi,  
elektron taxeometr  
yordamida amalga  
oshirilgan topografik  
syomka ishlarining  
q i y m a t l a r i n i  
z a m o n a v i y  
d a s t u r l a r d a  
matematik qayta  
ishlash orqali  
topografik plan va  
xaritalar yaratiladi.