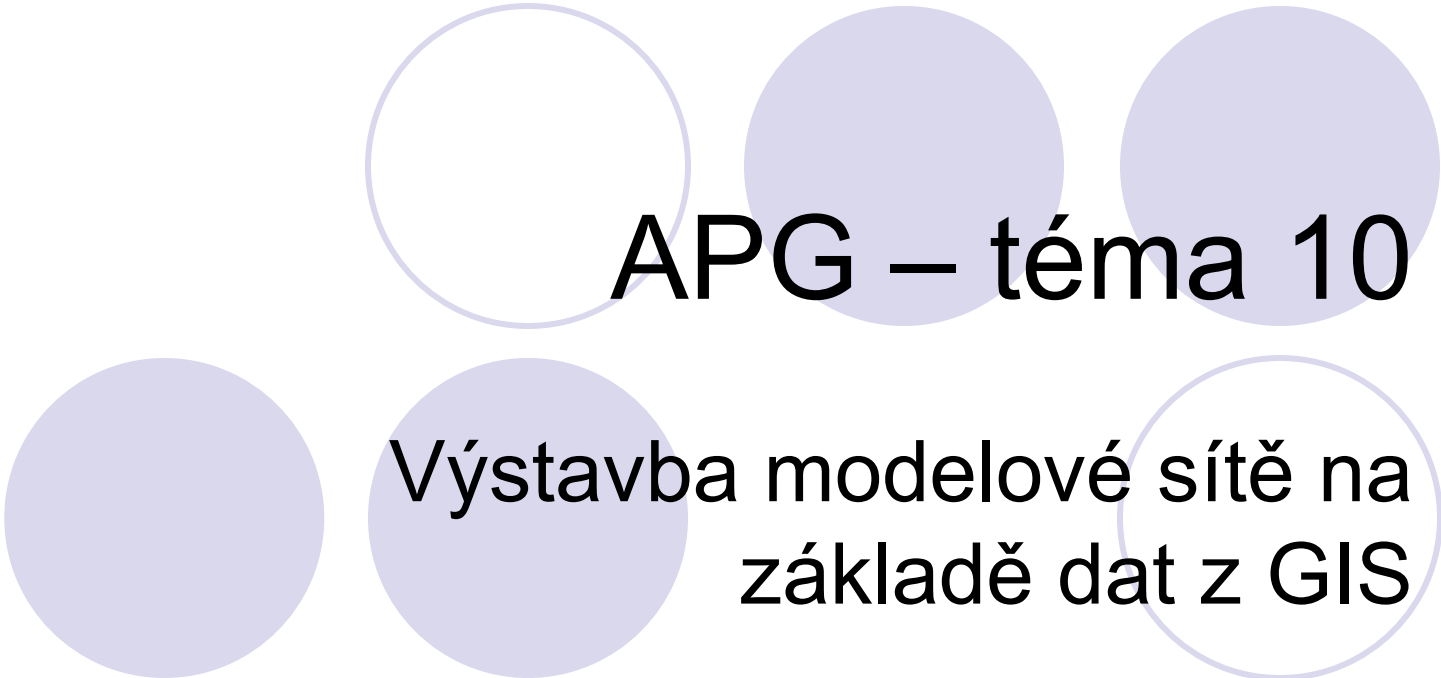
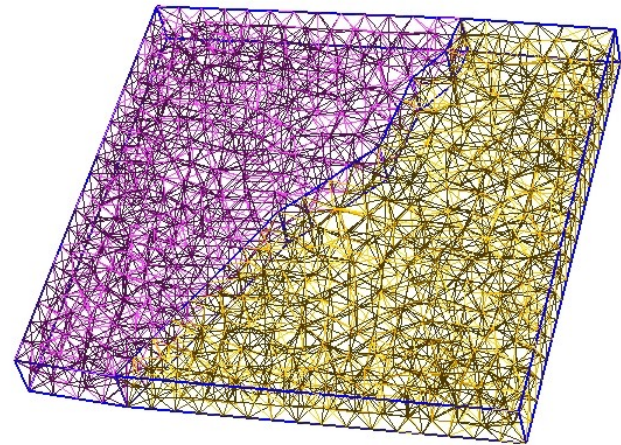
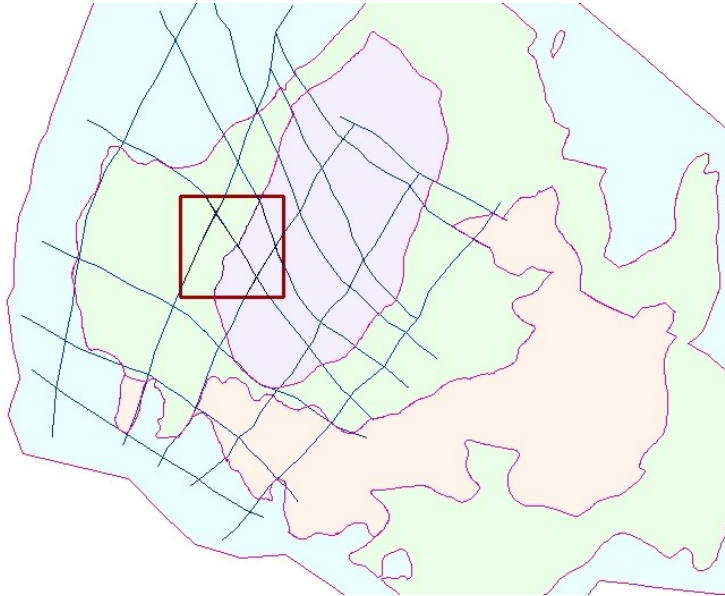




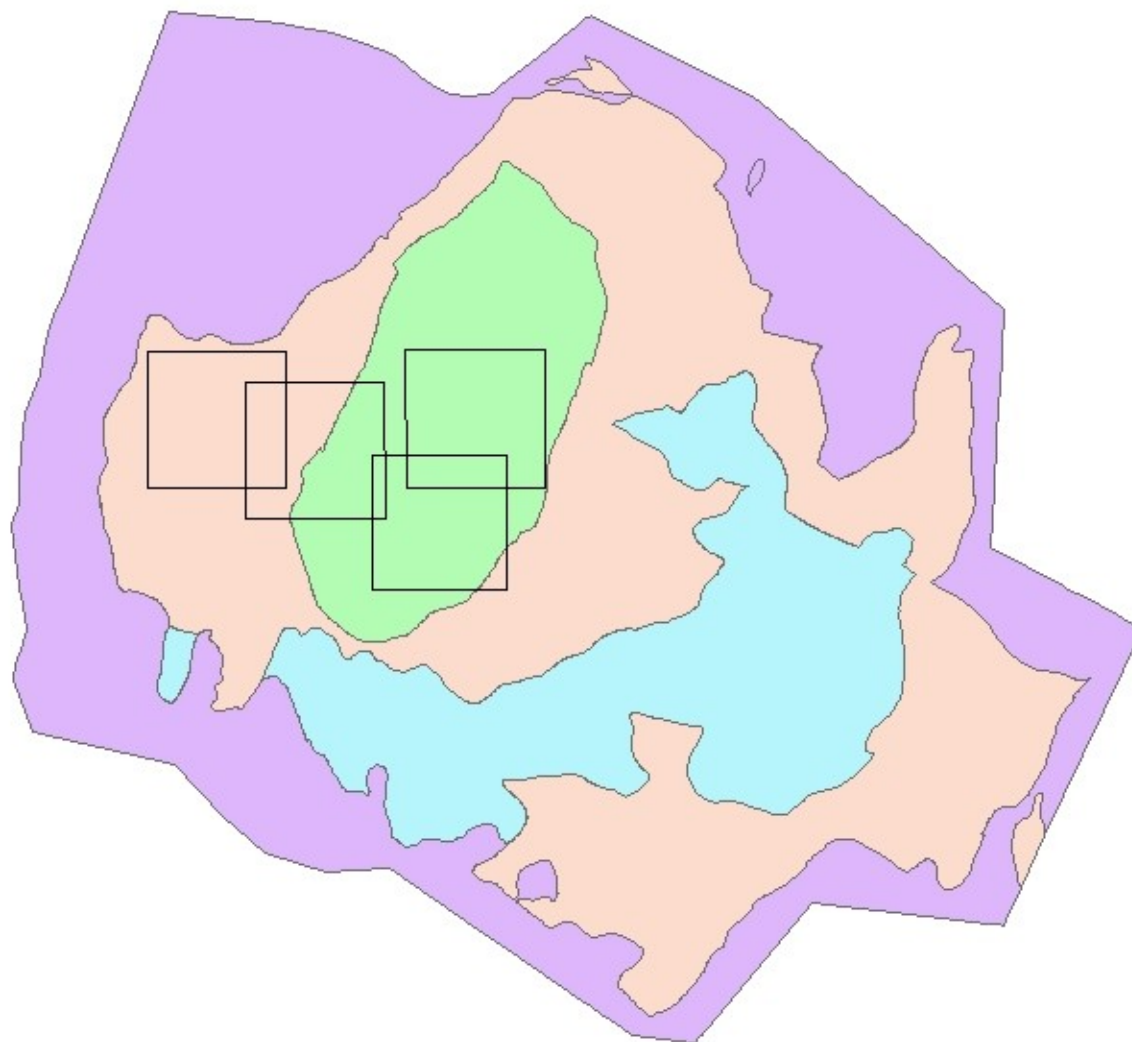
APG – téma 10

Výstavba modelové sítě na
základě dat z GIS

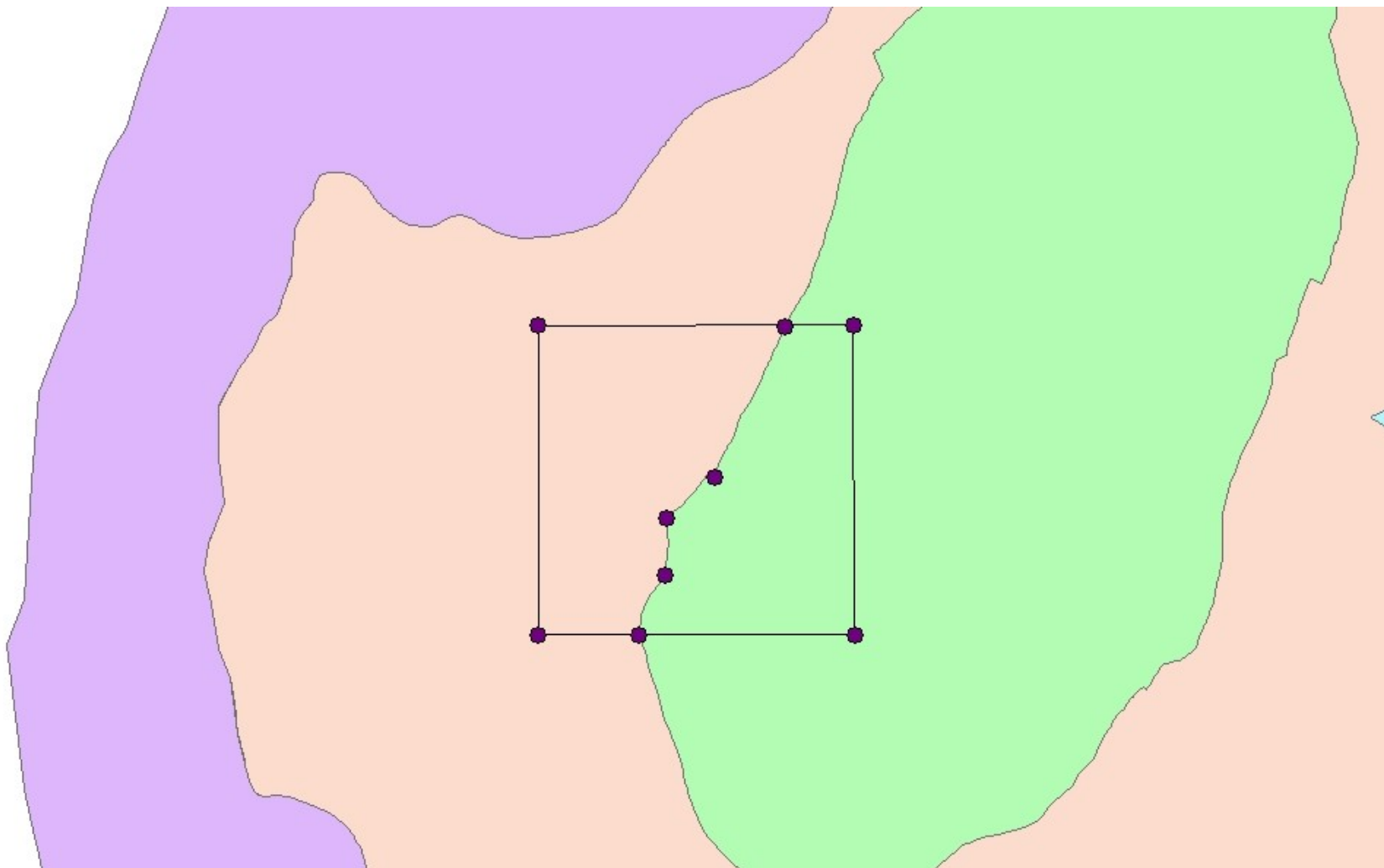
Model území v GIS převést na modelovou síť v GMSH



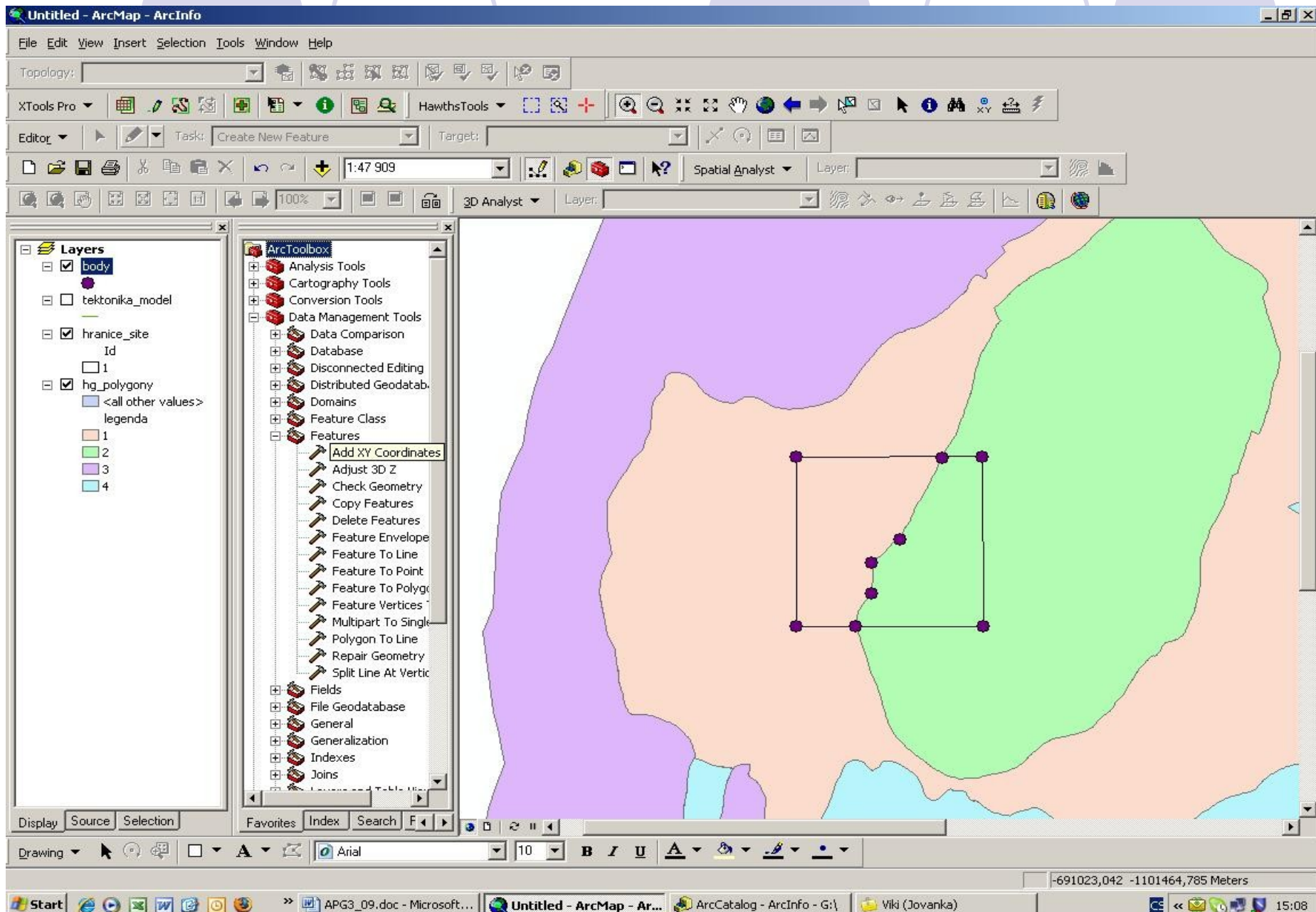
Vstupní data



Vytvoření bodové vrstvy v GIS



Přidání souřadnic x,y,z do dbf tabulky vrstvy



Výpočet v atributové tabulce

The screenshot displays the ArcMap interface with the 'Attributes of body' table open. The table contains 9 records of point features. A context menu is visible over the table, with 'Field Calculator...' selected. The background map shows a polygon layer with different colors (purple, green, orange) and a network of points connected by lines.

FID	Shape *	Id	POINT X	POINT Y	Z
0	Point	0	-687551,588982	-1101369,06454	
1	Point	0	-685472,690753	-1101369,06454	
2	Point	0	-685482,05516	-1099336,98834	
3	Point	0	-687551,588982	-1099336,98834	
4	Point	0	-686886,716125	-1101369,06454	
5	Point	0	-686718,156809	-1100975,75947	
6	Point	0	-686708,792403	-1100601,18321	
7	Point	0	-686390,402584	-1100329,81542	
8	Point	0	-685931,546669	-1099346,35275	

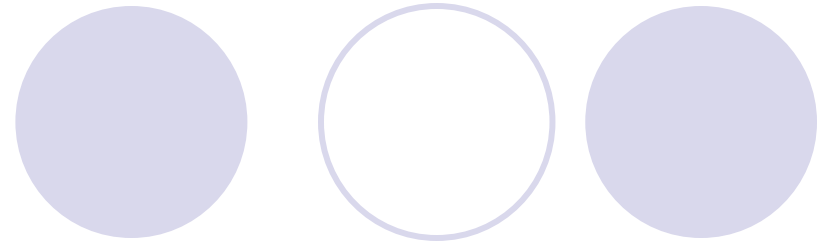
Record: 0 Show: All Selected Records (0 out of 9)

Field Calculator menu options:

- Sort Ascending
- Sort Descending
- Summarize...
- Statistics...
- Field Calculator...**
- Calculate Geometry...
- Turn Field Off
- Freeze/Unfreeze Column
- Delete Field
- Properties...

Bottom status bar: Calculate values for this field -688931,522 -1100640,853 Meters

Převod dbf na geo



$a=50;$

Point (1)= {2067.90, 2000.36, -100, a };

Point (2)= {2074.46, 0.37, -100, a };

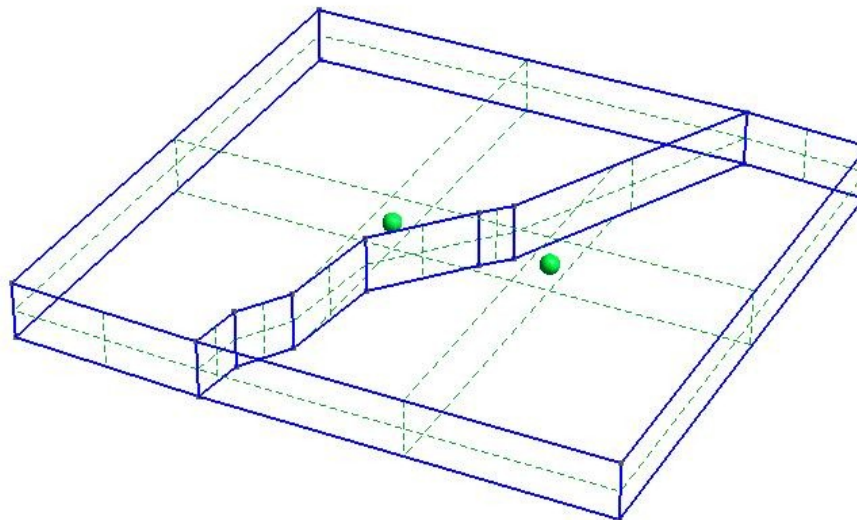
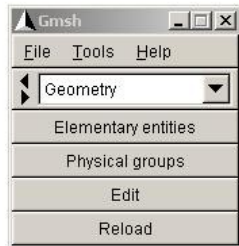
Definice bodu v geo formátu.

Vytvoření souboru geo obsahujícího body z GIS.

Linie, plochy, objemy ... další práce v GMSH.

Geometrie v GMSH

G:/APG3/Pomocny-spodni_sit1.geo



Modelová síť v GMSH

