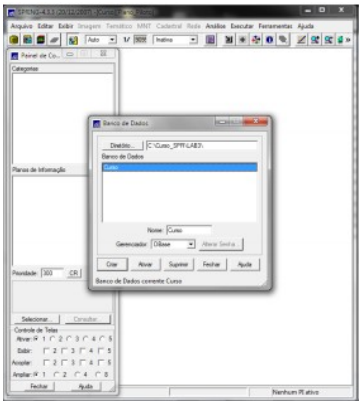
INSTITUTO NACIONAL DE PESQUISAS ESPACIAIS

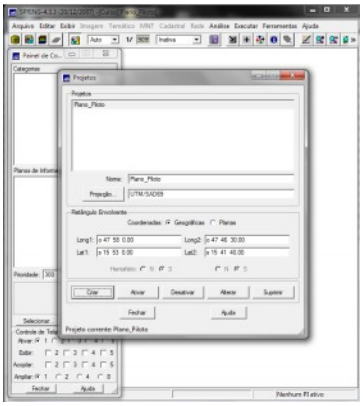
Introdução ao Geoprocessamemto

LABORATÓRIO 3 - MODELO NUMÉRICO DE TERRENO

Jéssica Villela Sampaio - 139343

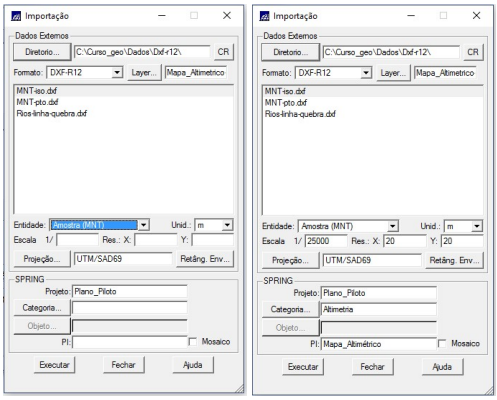
Exercício 1: Definindo o Plano Piloto para o Aplicativo 1.

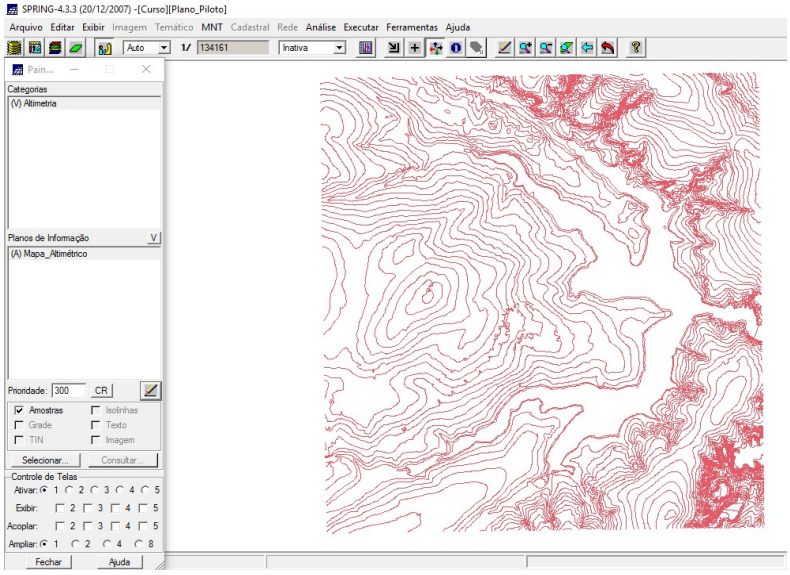




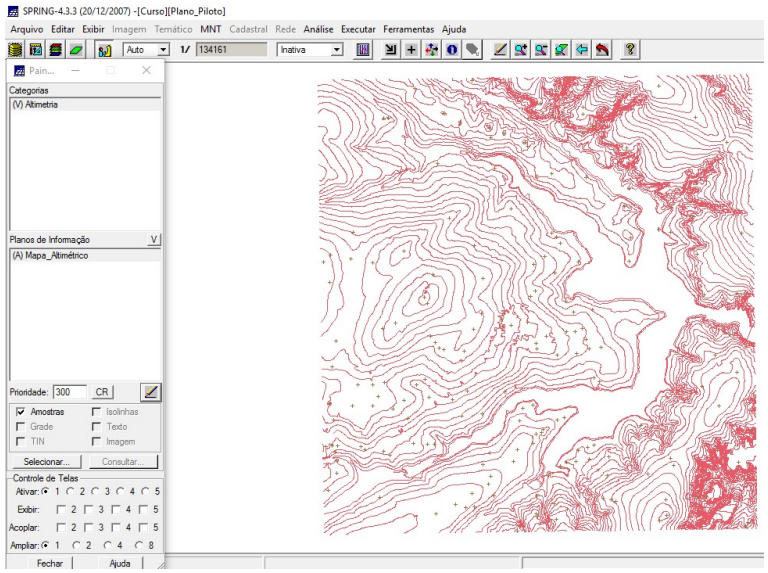
Exercício 2: Definindo o Plano Piloto para o Aplicativo 1.

PASSO 1 - Importando arquivo DXF com isolinhas em um PI numérico.

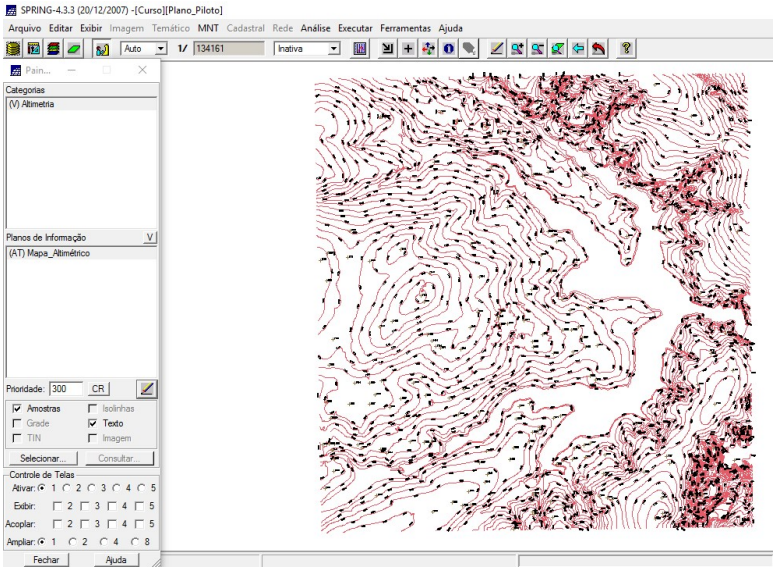




PASSO 2 - Importando arquivo DXF com pontos cotados no mesmo PI das isolinhas.

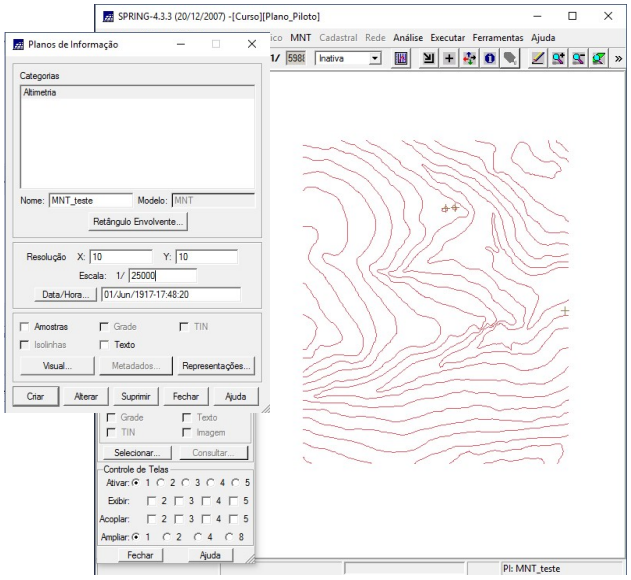


PASSO 3 - Geração toponímia para amostras.

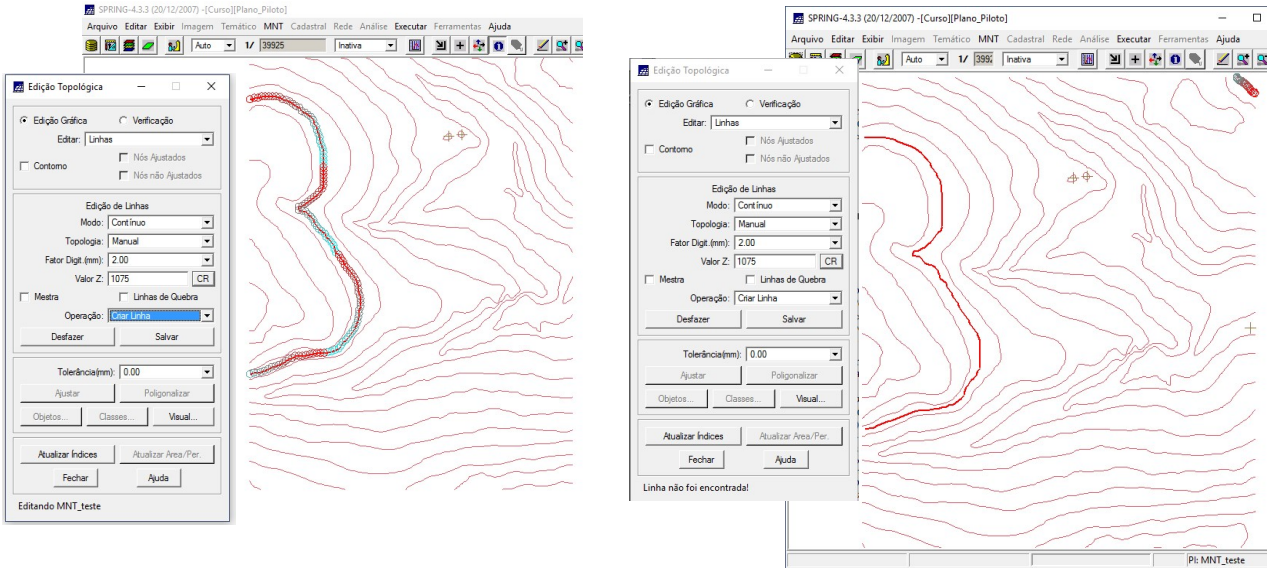


Exercício 3: Edição de modelo numérico de terreno.

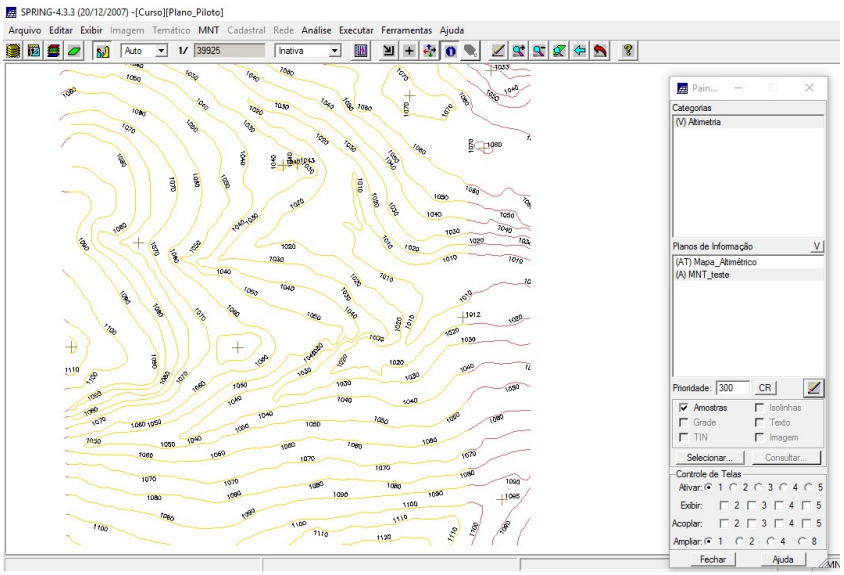
PASSO 1 - Criando um novo PI numérico e fazendo uma cópia do mapa altimétrico.

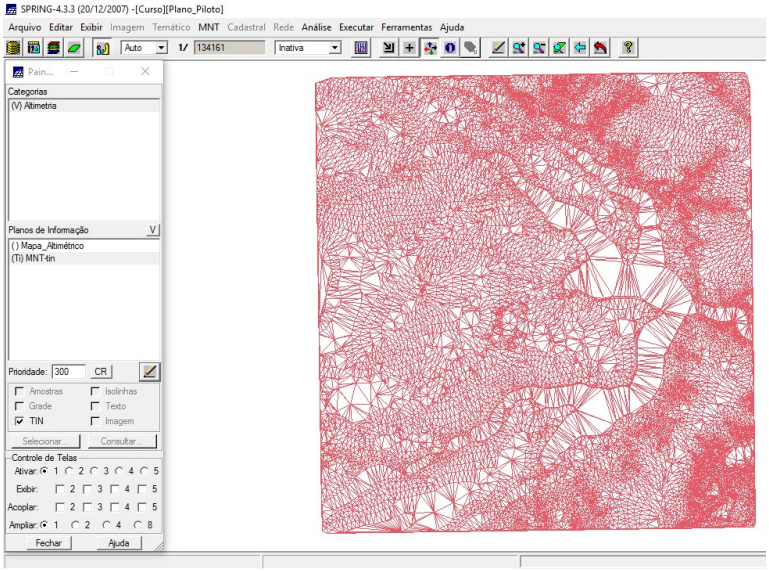


PASSO 2 - Editando isolinhas e pontos cotados em um PI numérico



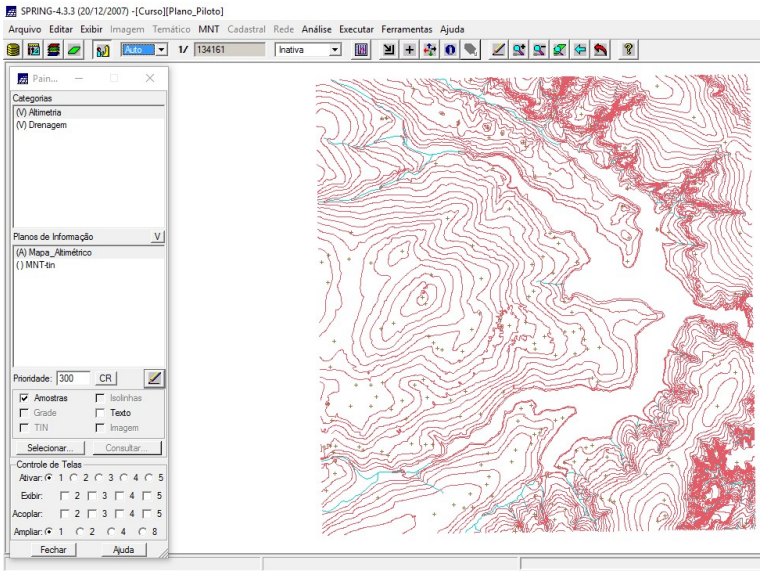
PASSO 3 - Suprimir o PI MNT_teste.



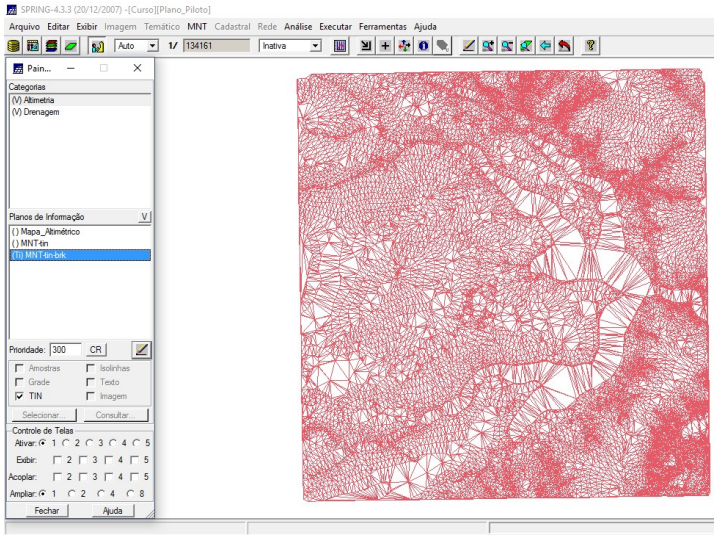


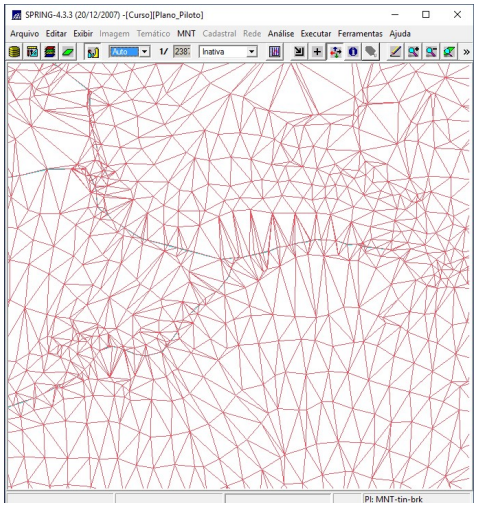
Exercício 4: Gerar grade triangular com e sem linha de quebra.

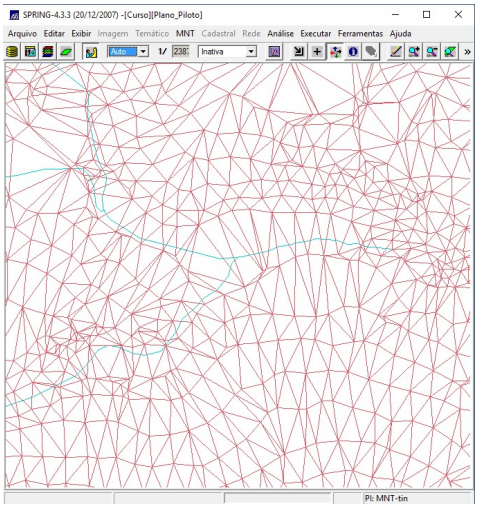
PASSO 1 - Importando a drenagem de arquivo DXF para PI temático.



PASSO 2 - Gerando triangular utilizando o PI drenagem como linha de quebra.

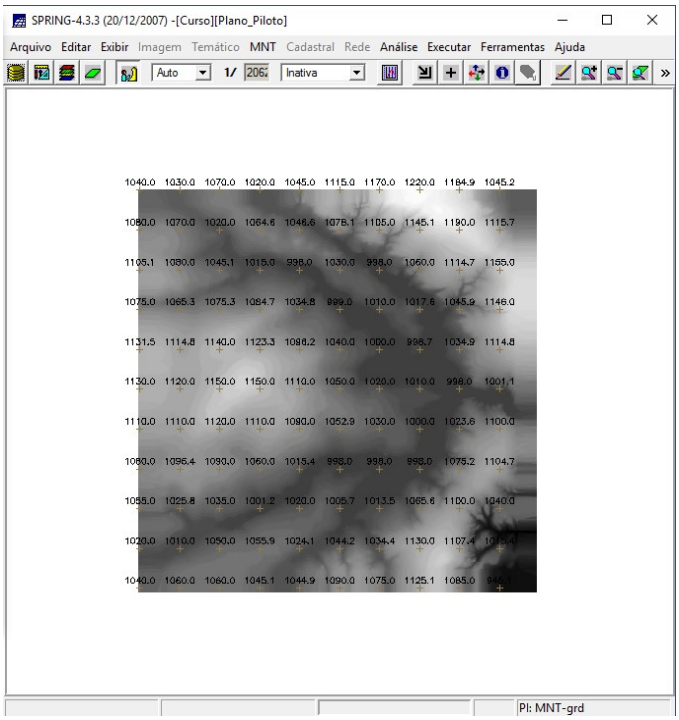




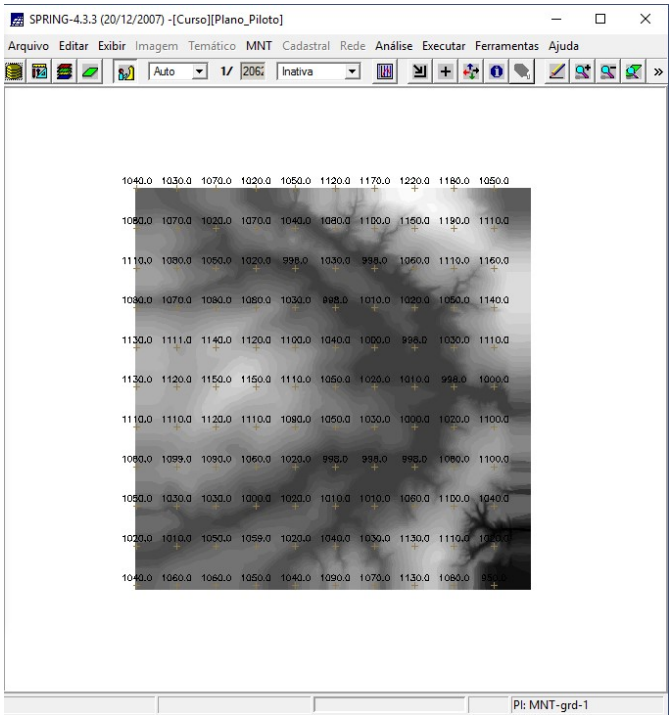


Exercício 5: Gerar grades retangulares de amostras e de outras grades.

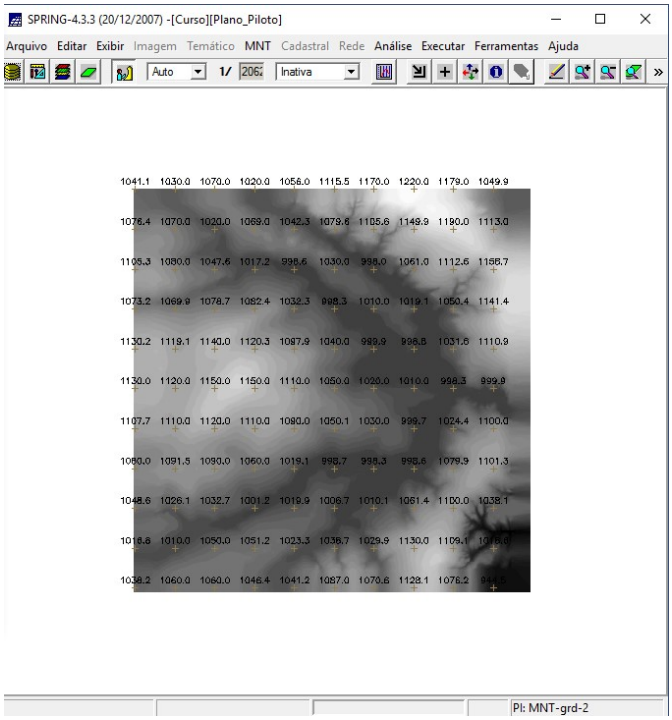
PASSO 1 - Média Pond/Cota/Quad.



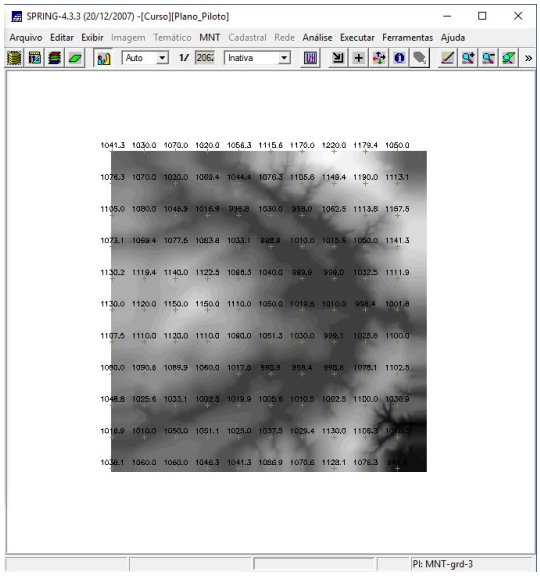
PASSO 2 - Vizinho mais próximo.



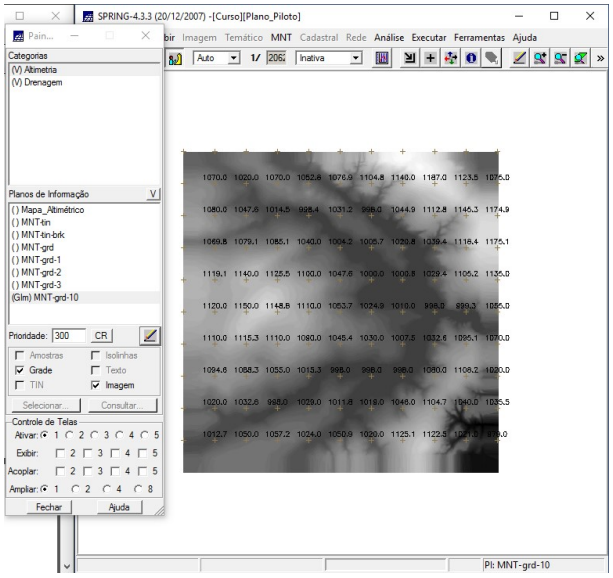
PASSO 3 - Média ponderada



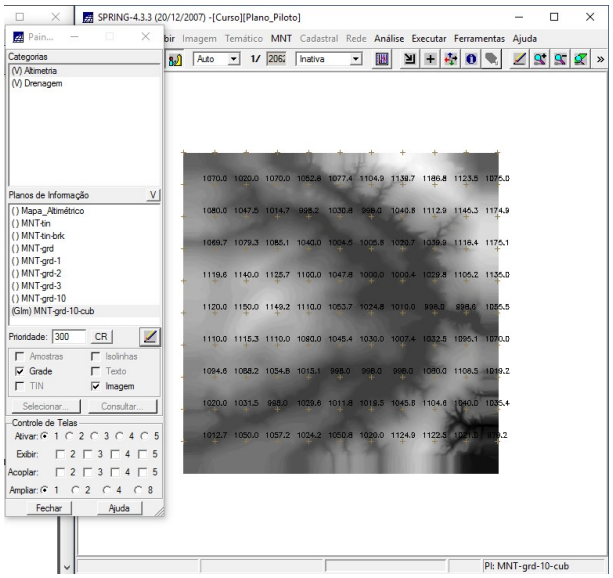
PASSO 4 - Média simples.



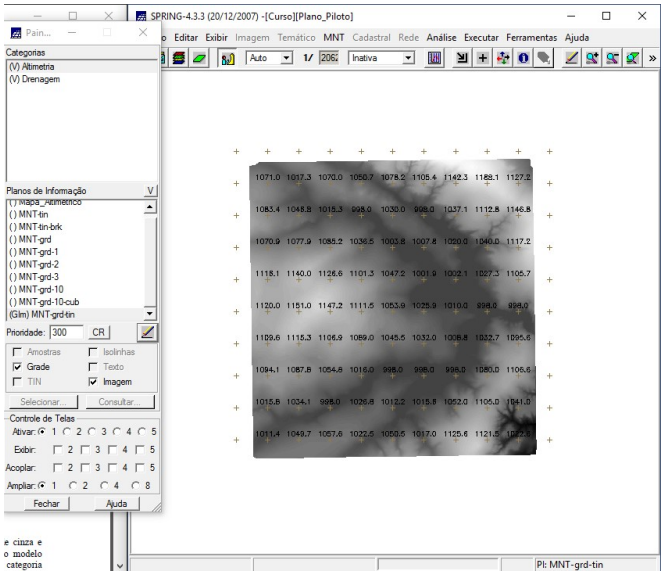
PASSO 5 - Bilinear.



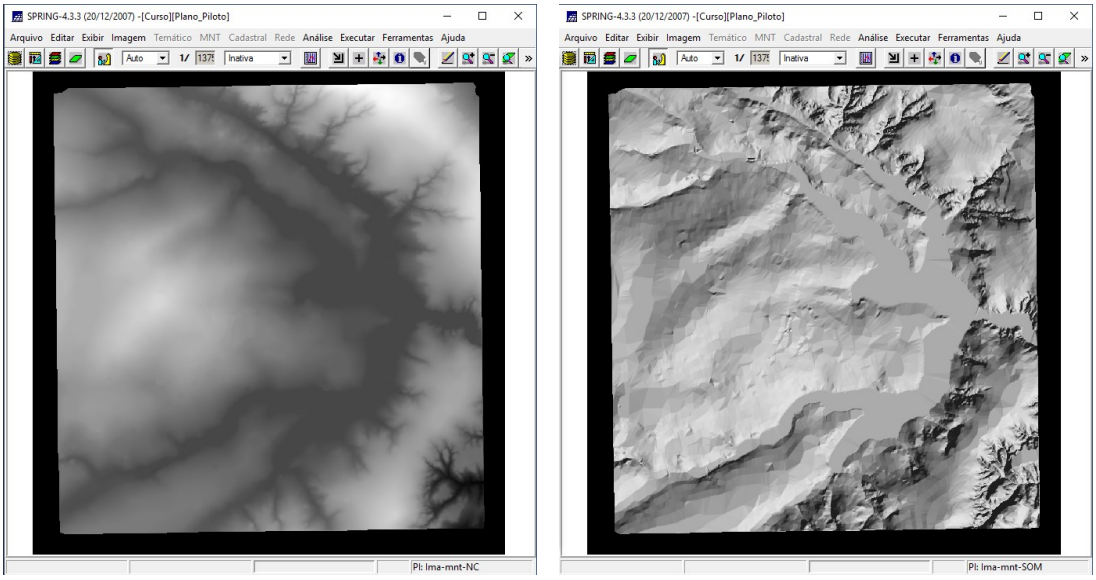
PASSO 6 - Bicúbico.



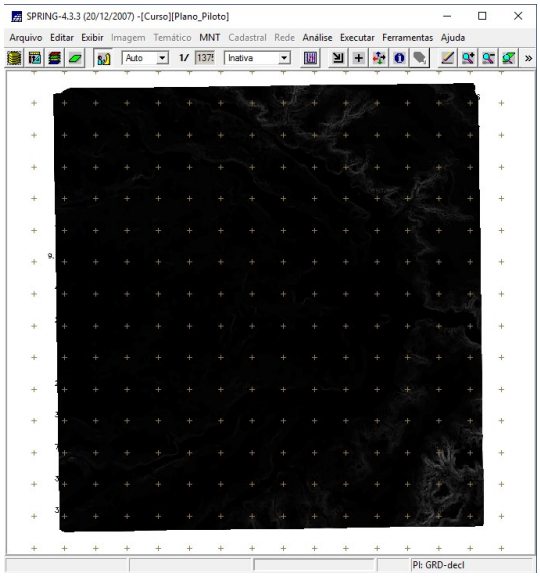
PASSO 7 - TIN.



Exercício 6: Geração de Imagem para Modelo Numérico.

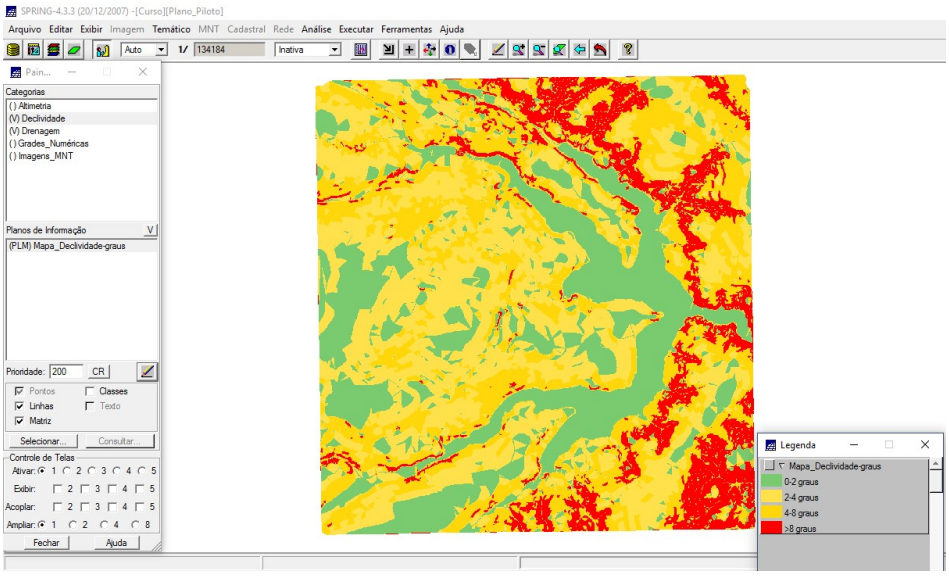


Exercício 7: Geração de Grade Declividade

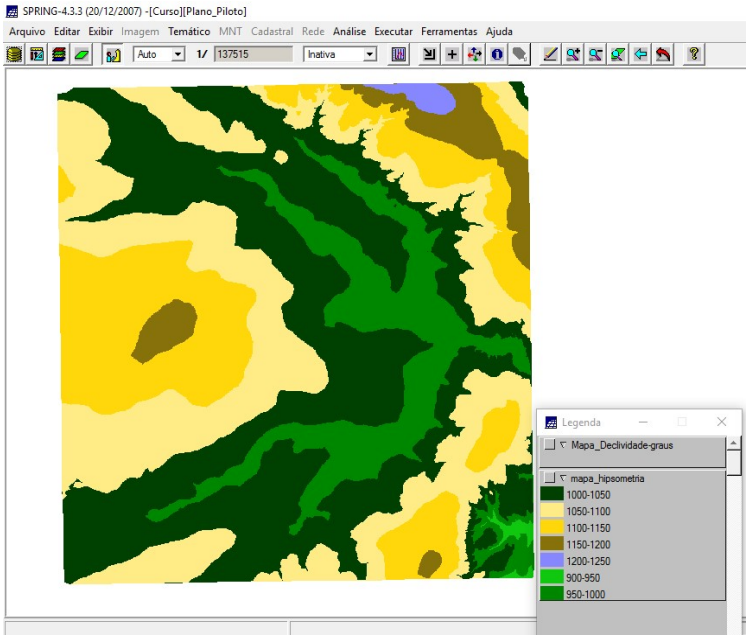


Exercício 8: Fatiamento de Grade Numérica - Mapa de Declividade

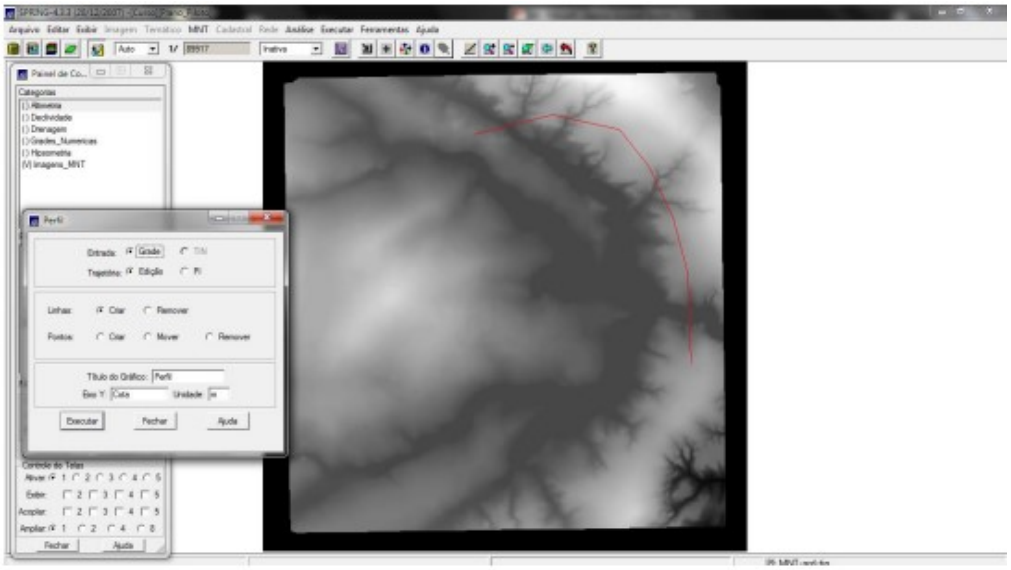
PASSO 1 - Fatiamento



PASSO 2 - Hipsometria



Exercício 9: Gerar Perfil a partir de grades.



Exercício 10: Visualização de Imagem em 3D.