







## Geomorphometry

- Subdiscipline of geomorphology
- Its object the quantitative and qualitative description and measurement of landform and is based, principally, on the analysis of variations in elevation as a function of distance
- A basic principal underlying geomorphometrics is that there exists a relationship between relief form and the numerical parameters used to describe it, as well as to the processes related to its genesis and evolution



































## Conclusions

- Boundaries of landforms such as mountain, hill, valley and plain haven't been stored as polygonal or line type vector features in GIS based on topographic maps, in generally. Impressions for hillsides and the others are viewed by the contours or TIN. DEMs are also be used for giving landform impression on the screen
- This study proves that the landforms can be described in raster formats; consequently, they can be also converted to vector data formats in geodatabases when necessary



