Introduction & Motivation DED constitute a central component of all mapping and GIS fields, supporting an infinite variety of applications affecting numerous areas of life. A variety of sophisticated technologies (digital photogrammetry, IFSAR, LIDAR, etc) resulted in huge availability of automatic elevation data. The surface data obtained by applying these automatic techniques is not sufficiently reliable, and requires additional characteristic data such as breaklines. Integrating breaklines in DTM is a part of the bigger challenge of modeling three-dimensional surfaces and is an important issue, due to cost / benefit considerations. Presented here is an analysis of improvements in the accuracy of surface representation following application of different breakline incorporation techniques.





































