

Simplification of lines (line smoothing):

Source: Cartographic Generalisation Topographic Maps, 1977, Swiss Society of Cartography



Delete small irregularities: All the irregularities on the guide image (in red), which 'are covered by the line width, should be ignored. An original line which is not completely straight, however, should never become a geometrically straight line.



The character of a line should be maintained



Correct

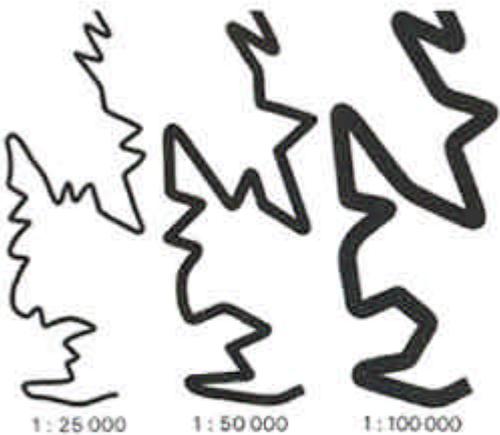
Generalisation by mean position gives a wrong impression



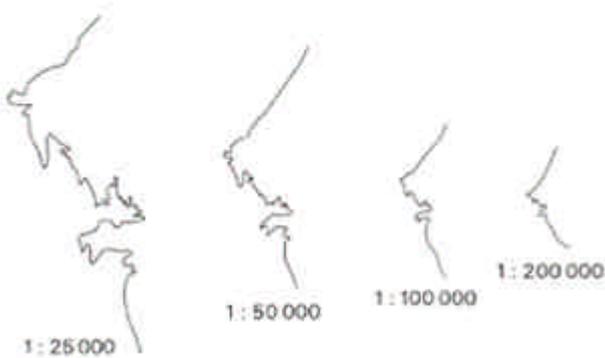
Incorrect



Two bends may be combined as one, while three bends may be represented by two, etc.



The number of bends is reduced, lesser irregularities, which can be disturbing are deleted.



Example of Gemnipass:
Increasing simplification of the line as scale decreases.



Simplification of a coastline (Fjord)