

Filter Vector to Simplify

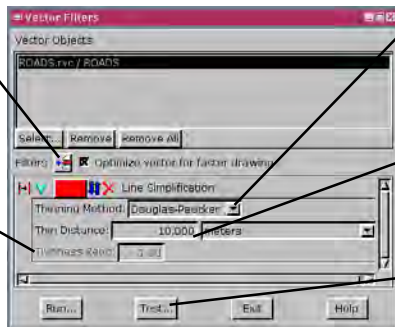
DID YOU KNOW . . . you can reduce the number of vertices in vector lines?

What Filtering Vectors to Simplify Gives You

- Make vector lines straighter and less complex
- Smaller storage requirements for vector objects
- Vector objects are faster to manipulate in other processes
- Decrease line details for display over imagery of low resolution

Click on Add Filter icon to select the Line Simplification filter.

The Thinness Ratio is active for the Minimum Ratio Thinning Method.

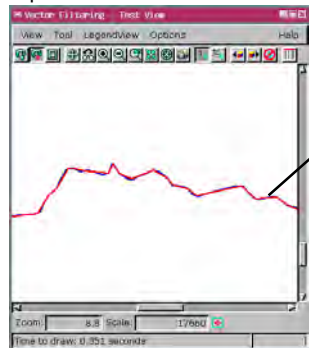


Select one of the three Line Simplification methods available.

Increase the Thin Distance value to increase the number of vertices removed.

Click on Test button to preview results.

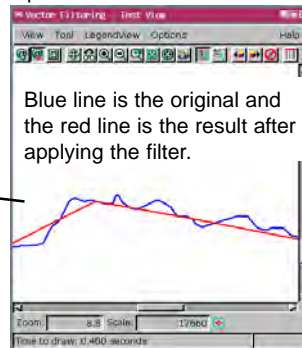
Output with Thin Distance of 10 m



The Line Simplification vector filter removed 824 of 1305 vertices (63.1 %).

The Line Simplification vector filter removed 1008 of 1305 vertices (77.2 %).

Output with Thin Distance of 100 m



Blue line is the original and the red line is the result after applying the filter.

How to Filter Vectors to Simplify

- Choose Geometric / Filter.
- Click on the Select button and select your vector object(s).
- Click on Add Filter icon and select the Line Simplification filter.
- Click on Show Details icon and choose one of the three filtering methods available.
- Enter Thin Distance value for Douglas-Peucker or Minimum Distance methods.
- Enter Thinness Ratio value for Minimum Ratio method.
- Click on Test button to preview the effect of the filter.
- Click on Run to create output vector object.

WANT TO KNOW MORE?

See the section entitled Vector Filters in the Process volume of the

Online Reference Manual

