

The Scott Algorithm ( $O(n)$ ): We have moved beyond "Data Friction". We use Moore-Neighbor for the boundary and Douglas-Peucker for the distillation:  
 $d = \frac{|(x_2 - x_1)(y_1 - y_0) - (x_1 - x_0)(y_2 - y_1)|}{\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}}$ This extracts the Tangential Anchors, achieving the 98.7% reduction that makes your hardware outrun the software's forecast.