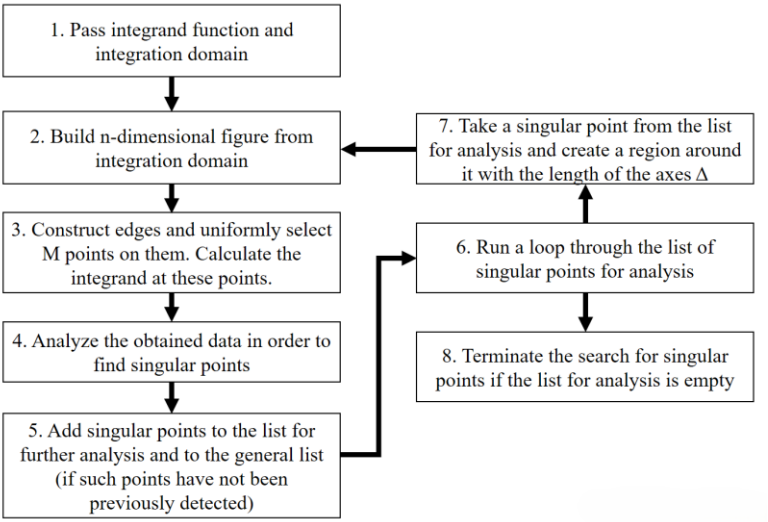
1. Pass integrand function and integration domain
2. Build n-dimensional figure from integration domain
3. Construct edges and uniformly select M points on them. Calculate the integrand at these points.
4. Analyze the obtained data in order to find singular points
5. Add singular points to the list for further analysis and to the general list (if such points have not been previously detected)
6. Run a loop through the list of singular points for analysis
7. Take a singular point from the list for analysis and create a region around it with the length of the axes Δ
8. Terminate the search for singular points if the list for analysis is empty