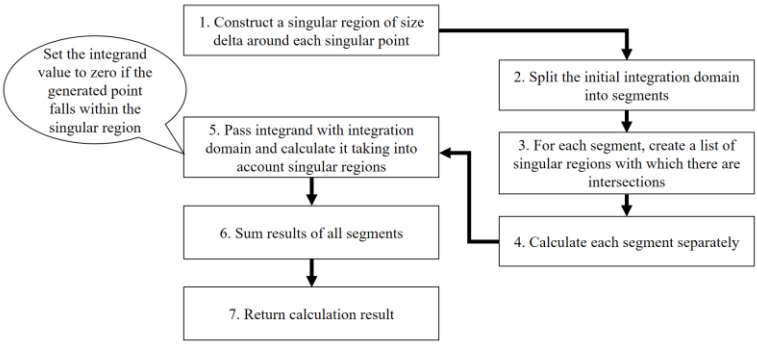
1. Construct a singular region of size delta around each singular point
2. Split the initial integration domain into segments
3. For each segment, create a list of singular regions with which there are intersections
4. Calculate each segment separately
5. Pass integrand with integration domain and calculate it taking into account singular regions
Set the integrand value to zero if the generated point falls within the singular region
6. Sum results of all segments
7. Return calculation result