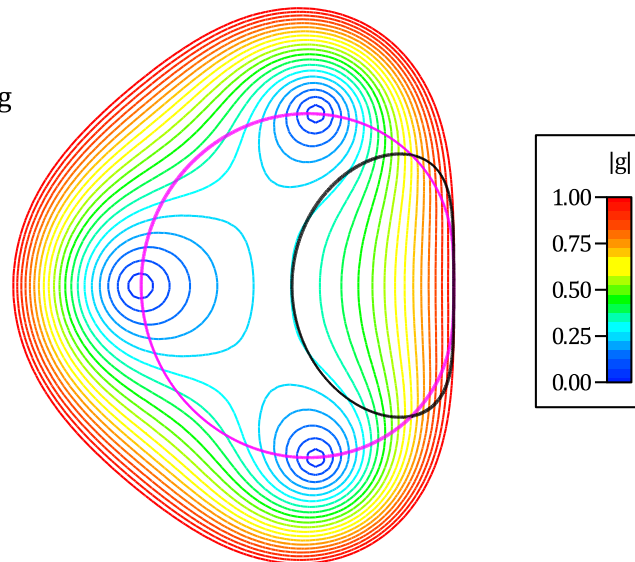# Explicit (3,3)-scheme, convection equation

Base scheme: 2nd-order upwind spatial discretization, $\sigma = 0.69$.
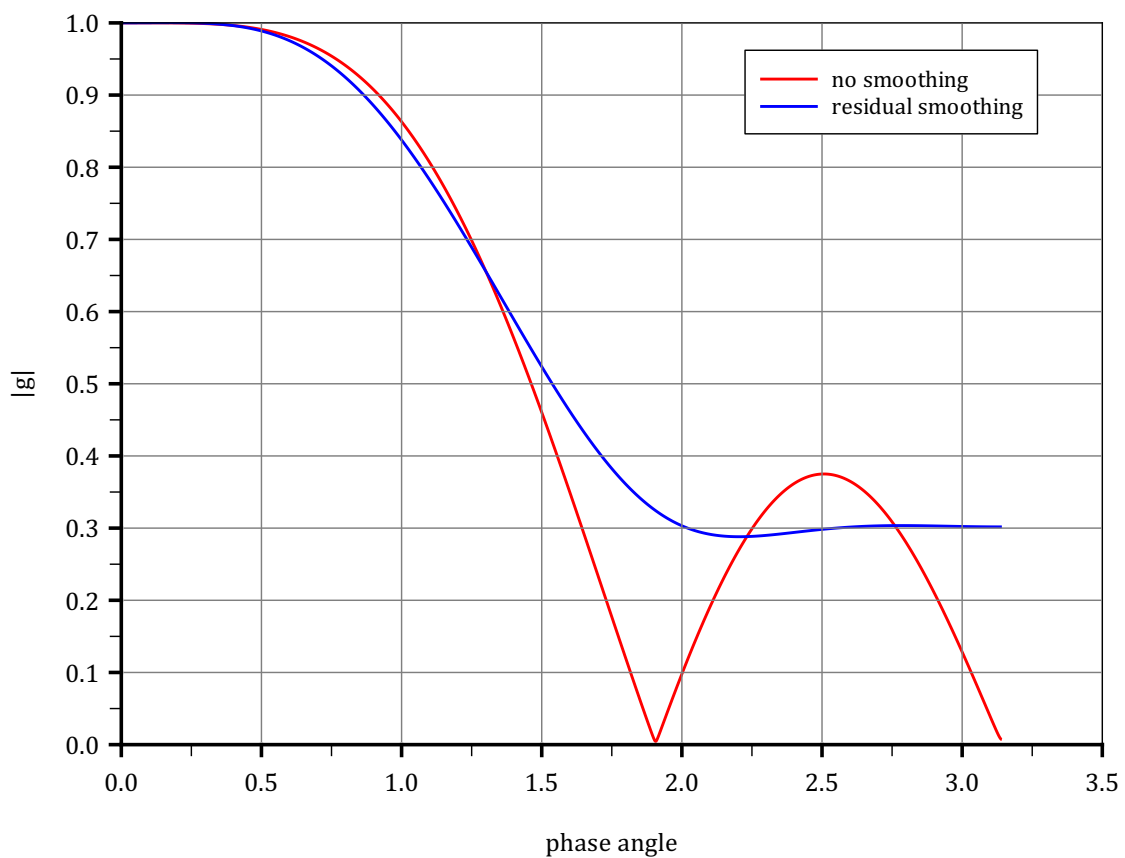Scheme with central residual smoothing: $\sigma = 1.5$, $\varepsilon = 0.8$.

Fourier symbol z of the spatial operator and contours of the magnitude of the amplification factor $|g|$.

Magnitude of the amplification factor $|g|$ over the phase angle φ.