1 Test Section

THEOREM 1.1 **Residual theorem**

Let f be **holomorphic** in a domain D except for isolated singularities at $a_1, a_2, \ldots, a_m$. Let γ be a closed rectifiable curve in D which does not pass through any of the points a_k. Then

$$\oint_\gamma f(z)\,dz = 2\pi i \sum_{k=1}^{m} I(\gamma, a_k)\mathrm{Res}(f, a_k).$$