Testing Laurent Series.

$$\sum_{n=-\infty}^{\infty} a_n z^n$$

$$\sum_{n=-\infty}^{\infty} a_n (z - z_0)^n$$

$$\sum_{k=-\infty}^{\infty} b_k z^k$$

$$\sum_{k=-\infty}^{\infty} b_k (z - z_0)^k$$

$$\sum_{k=-m}^{\infty} b_k (z - z_0)^k$$

Testing Residuals.

$$\operatorname{Res}\left(\frac{f'}{f}; z_0\right)$$