§35

Power Series

Let $f(x) = \sum_{j=0}^{\infty} a_j x^j$

Then $\exists\ 0 \le R \le \infty$ s.t.

$\sum_{j=0}^{\infty} a_j x^j$ converges absolutely for $0 \le |x| < R$.

and diverges for $|x| > R$