11.2: Properties of Power Series

Learning Objectives. Upon successful completion of Section 11.2, you will be able to. . .

- Answer conceptual questions involving power series.

- Find the interval and radius of convergence of power series.

- Combine power series.

- Find a power series by integrating or differentiating a known power series.

- Write a power series representation of a given function.

- Find a function represented by a given power series.

Part 1: The Divergence Test and P-Series Test

Part 2: The Integral Test and Estimation Theorem