

Source: [KBhMATH401SubIndex](#)

1 | Talor Series Expansions

2 | Partial Sums

Calculating partial sums of a series

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2.1 | Power Series

$$\sum_{n=1}^{\infty} \frac{1}{n^p}$$

If a p-series has a $p > 1$, the p-series will converge

If a p-series has a $p \leq 1$, the p-series will diverge