

# 1 | Talor Series Expansions

## 2 | Partial Sums

Calculating partial sums of a series

Pasted image 20210306075949.png

Pasted image 20210307095925.png

### 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