

I. Formulas

1. Math Utilites

1.1. Some chapter

Def 1.1 Limits Some limit utilites:

$$\lim_{x \rightarrow \infty} f(x)$$
$$\lim_{x \rightarrow n} f(x)$$
$$\lim_{x \rightarrow n, \, x \neq n} f(x)$$

Def 1.3 Sequences Let  $a \in \mathbb{R}$ ,  $b \geq 0$  be such that this text wraps at some point.

$$(a_n)_{n \geq 0}$$
$$(a_n)_{n \in \mathbb{R}}$$

Lemma 1.6 Series

$$\sum_{n=0}^{\infty} a_n$$
$$\sum_{n=-1}^{\infty} |a_n|$$