

Maths for Algorithms

Maths from Maths for Computer Science MIT 6.042

L3.2.1 Asymptotic Notation

Asymptotic Equivalence - Ref: ??

Def: $f(n) \sim g(n)$ the \sim read as asymptotical equal / equivalent

$$\lim_{n \rightarrow \infty} \frac{f(n)}{g(n)} = 1 \quad (1)$$

Asymptotics: Intuitive Summary

$$addeqns \quad (2)$$