



Advent of Mathematical Symbols

Little o: $f(x) = o(g(x)) \quad (x \rightarrow a)$

means: $\lim_{x \rightarrow a} \left| \frac{f(x)}{g(x)} \right| = 0$

Example: $8 \cdot x^2 \neq o(x^2) \quad (x \rightarrow \infty)$
 $8 \cdot x^2 = o(x^3) \quad (x \rightarrow \infty)$