



o -notation and ω -notation

O -notation and Ω -notation are like \leq and \geq .
 o -notation and ω -notation are like $<$ and $>$.

$o(g(n)) = \{ f(n) : \text{for any constant } c > 0, \\ \text{there is a constant } n_0 > 0 \\ \text{such that } 0 \leq f(n) < cg(n) \\ \text{for all } n \geq n_0 \}$

EXAMPLE: $2n^2 = o(n^3)$ ($n_0 = 2/c$)