

Clarification of Equations 1.4 and 1.8 on page 2 of Boas:

$$\sum_{i=0}^{n-1} ar^i = \frac{a(1-r^n)}{1-r}$$

$$\sum_{i=0}^n ar^i = \frac{a(1-r^{n+1})}{1-r}$$

$$\sum_{i=0}^{\infty} ar^i = \frac{a}{1-r}$$

$$\sum_{i=1}^{\infty} ar^i = \frac{ar}{1-r}$$