

Featured software

Distillation simulator	www.vaxasoftware.com/soft_eduen/sden.html
FunGraph - Graphs of mathematical functions	www.vaxasoftware.com/soft_eduen/fungraph.html
Design of distillation columns by McCabe-Thiele method	www.vaxasoftware.com/soft_eduen/mcth.html
Worksheets Generators for Maths and Chemistry	www.vaxasoftware.com/pc/index.html
Acid-base equilibrium calculator	www.vaxasoftware.com/soft_eduen/abew.html
Statistics and Probability tools for Windows	www.vaxasoftware.com/soft_eduen/statool.html

Arithmetic progression:

$$n\text{-th term } a_n = a_1 + (n-1)d$$

$$\text{Sum } S_n = \frac{n(a_1 + a_n)}{2}$$

Geometric progression:

$$n\text{-th term } a_n = a_1 r^{n-1}$$

$$\text{Sum of } n \text{ terms } S_n = \frac{r a_n - a_1}{r - 1} \quad \text{or} \quad S_n = \frac{a_1 (r^n - 1)}{r - 1}$$

$$\text{Sum of infinite terms } S_\infty = \frac{a_1}{1 - r} \quad \text{where } 0 < r < 1$$