

Featured software

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

**Mean of x**  $\bar{x} = \frac{\sum x_i}{N}, \quad N = \text{Number of points.}$

**Mean of y**  $\bar{y} = \frac{\sum y_i}{N}$

**Standard deviation of x**  $\sigma_x = \sqrt{\frac{\sum x_i^2}{N} - \bar{x}^2}$

**Standard deviation of y**  $\sigma_y = \sqrt{\frac{\sum y_i^2}{N} - \bar{y}^2}$

**Covariance**  $\sigma_{xy} = \frac{\sum x_i y_i}{N} - \bar{x} \bar{y}$

**Regression line: Y vs X**  $y - \bar{y} = \frac{\sigma_{xy}}{\sigma_x^2}(x - \bar{x})$

**Regression line: X vs Y**  $x - \bar{x} = \frac{\sigma_{xy}}{\sigma_y^2}(y - \bar{y})$

**Pearson's correlation coefficient**  $r = \frac{\sigma_{xy}}{\sigma_x \sigma_y}$