

## 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 Probabilty tools for Windows	<a href="http://www.vaxasoftware.com/soft_eduen/statool.html">www.vaxasoftware.com/soft_eduen/statool.html</a>

<b>Wave equation</b>	$y(x,t) = A \cos(\omega t \pm k x), \quad k = 2\pi / \lambda$ $y(x,t) = A \cos\left(2\pi f t \pm \frac{2\pi}{\lambda} x\right)$ $y(x,t) = A \cos\left[2\pi\left(f t \pm \frac{1}{\lambda} x\right)\right]$
<b>Vibration speed of material particles</b>	$V_v(x,t) = -A \omega \sin(\omega t \pm k x)$ $V_{v,MAX} = \pm A \omega$
<b>Others</b>	$T = \frac{1}{f}; \quad \omega = 2\pi f; \quad v = \lambda f$

Symbol	Magnitude	S.I. unit
$y$	Wave state	
$x$	$x$ coordinate	m
$t$	Time	s
$A$	Amplitude	
$\omega$	Angular frequency	rad/s
$k$	Wavenumber	rad/m
$T$	Period	s
$v$	Phase speed	m/s
$V_v$	Vibration speed of material particles	m/s
$\lambda$	Wavelength	m
$f$	Wave frequency	Hz