

# Xwave for Windows

## Run

starts or restarts the wave propagation

## Display

shows display controls dialog

<i>mono</i>	use one color to plot wave mesh
<i>stereo</i>	for use with red/blue 3d glasses
<i>lighting</i>	displays the wave mesh with simulated lighting
<i>rows</i>	select number of rows used in mesh
<i>cols</i>	select number of columns used in mesh
<i>perspective</i>	control the 3d affect for the mesh
<i>pins</i>	hold down/release top, bottom, left or right edges
<i>defaults</i>	selects the original values

## Options

shows options dialog

<i>McBeath</i>	runs the Jim McBeath enhanced version which uses a simple spring model. $f = -kx - bv$ k => spring constant x => distance between nodes b => damping factor v => velocity of current node
<i>original</i>	runs the "classic" Xwave program

## Physics

shows physics controls dialog

<i>spring constant</i>	sets 'k' constant in $f = -kx - bv$
<i>damp factor</i>	sets 'b' constant in $f = -kx - bv$



