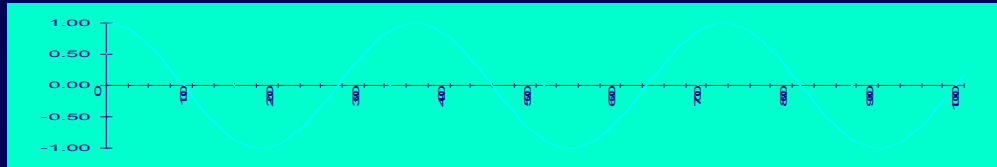


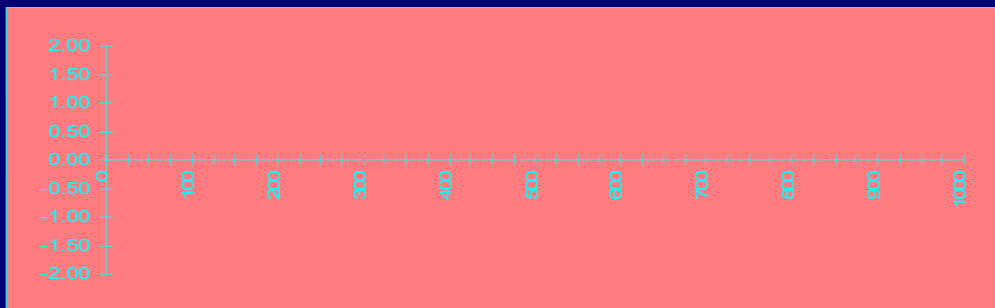
# Superposing sine waves

If you added the two sinusoidal waves shown, what would the result look like?



The sum of two sines having the same frequency is another sine with the same frequency.

Its amplitude depends on their relative phases.



Let's see how this works.