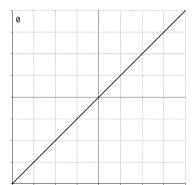
Lissajous Figures

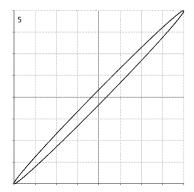
Introduction

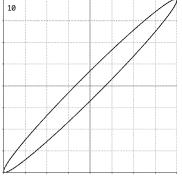
Lissajous figures displayed on an oscilloscope can be used to give a quick estimate of the relative phase of two signals at the same frequency. The plots presented here represent

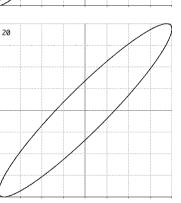
$$X = \cos(\omega t)$$
 $Y = \cos(\omega t + \phi)$

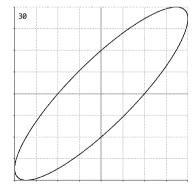
where the phase angle ϕ is indicated in degrees by the number the top right of each plot. To use this catalogue, adjust the oscilloscope so that the X and Y signals have exactly the same amplitude (8 divisions peak-to-peak) the pattern is accurately centred on the screen.

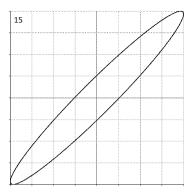


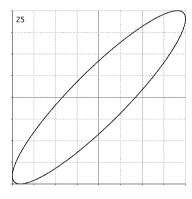


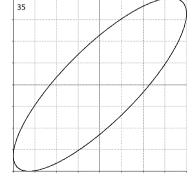












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Lissajous Figures