

## Lissajous Figures Revisited for Different Frequencies

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**Abstract .** Lissajous figures are generated by two simple harmonic motions of a particle in two perpendicular directions with frequency/ period ratios (1:3) and (1:4) respectively. Equations of the two motions in either case in terms of displacements of the particle in two perpendicular directions are derived with the help of which the relevant lissajous figures are drawn.