

## Part 2, B: MOTION

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2

### Waves - Standing waves

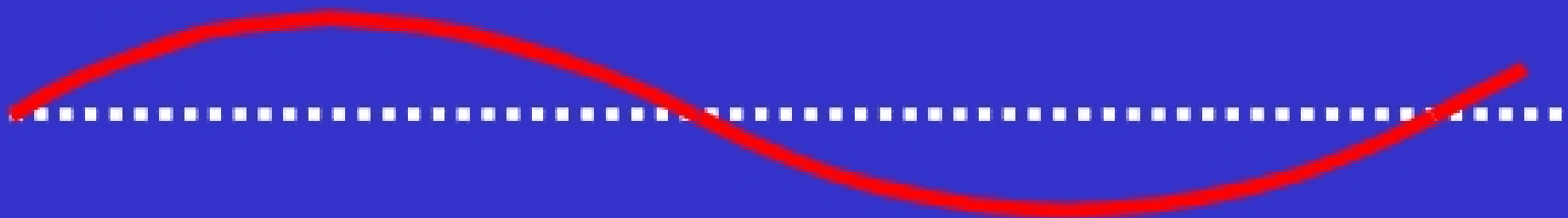
**Standing wave:** A wave for which the location of the nodes does not change. Possible patterns are determined by boundary conditions and wavelengths.

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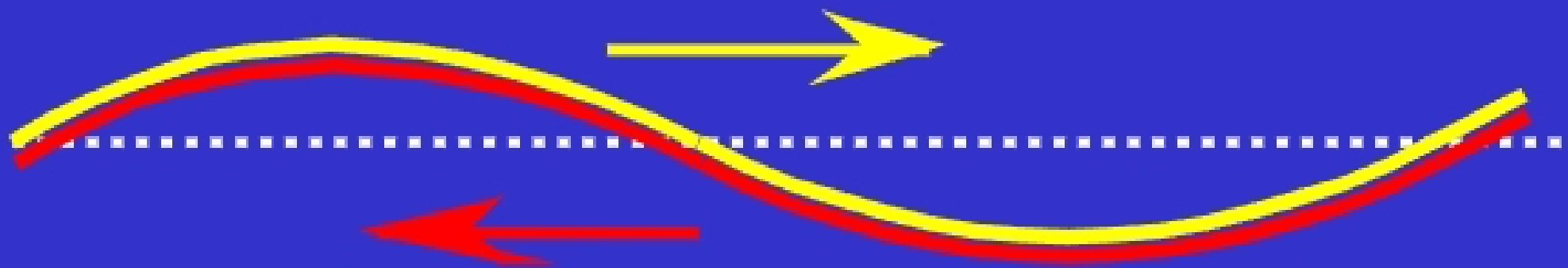
2

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Waves moving in opposite directions constructively interfere. Produces a large amplitude *standing wave*.