### Key Equations

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| Wave speed |  |
| Linear mass density |  |
| Speed of a wave or pulse on a string under tension |  |
| Speed of a compression wave in a fluid |  |
| Resultant wave from superposition of two sinusoidal waves that are identical except for a phase shift |  |
| Wave number |  |
| Wave speed |  |
| A periodic wave |  |
| Phase of a wave |  |
| The linear wave equation |  |
| Power averaged over a wavelength |  |
| Intensity |  |
| Intensity for a spherical wave |  |
| Equation of a standing wave |  |
| Wavelength for symmetric boundary conditions |  |
| Frequency for symmetric boundary conditions |  |