

# Gravitational waves: a three-minute guide

*Nature Video* explains how scientists are searching for ripples in space-time.

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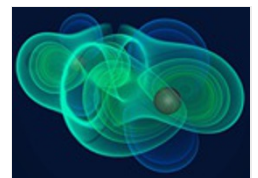


Almost exactly a century after Einstein first predicted the existence of [gravitational waves](#), physicists at the [recently upgraded Laser Interferometer Gravitational-Wave Observatory](#) are widely expected to announce that they have detected these cosmic ripples in spacetime.

In this *Nature Video*, reporter [Davide Castelvecchi](#) explains what gravitational waves are, and how scientists are searching for them in an attempt to prove Einstein right.

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**Nature Special:**  
**Gravitational Waves**