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Einstein's legacy: 100 years of general relativity

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Einstein's theory of general relativity revolutionised our understanding of the cosmos, its origin and its fate. Not surprisingly, it is one of the best tested theories, and so far all of its predictions have been confirmed. Einstein himself did not know many of the tests we can do today, 100 years after general relativity was presented by him. The most modern tests involve ultra-compact neutron stars, black holes, or ripples in space-time called gravitational waves. Perhaps surprisingly, general relativity, and the research into it, can also be encountered in daily life - perhaps well hidden, but present nevertheless. This talk will present some of the most exciting tests of general relativity, the fascinating objects that we use to study it, and reveal some of the connections to daily life.

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