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Gravitational wave standard sirens and cosmology

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Inspiralling binaries of neutron stars and black holes are self-calibrating standard sirens whose observations can measure the luminosity distance without the need to make any complicated modelling of the sources. For binary neutron stars it is also possible to measure the source redshift from gravitational-wave observations alone. Together with joint observations of sources in both the gravitational-wave and electromagnetic windows it should be possible to obtain source catalogues with measured values of luminosity distances and redshifts. In this talk I will discuss how such catalogues could be used for cosmography.

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