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Warped cones and the coarse Novikov conjecture.

Warped cones are constructions introduced by John Roe in 2005 from discrete group actions on compact spaces to obtain examples of coarse spaces which do not have property A or which are not coarsely embeddable into Hilbert space. These spaces have recently attracted a great deal of interest. In this talk, we will first briefly review some of recent development on the coarse geometry of warped cones, and then discuss the coarse Novikov conjecture of certain warped cones which admit a fibred coarse embedding into a Banach space with property (H). (Received January 29, 2019)