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On nonembeddability of contractible open manifolds, part 1

We shall present recent work by Shijie Gu on contractible open manifolds which embed in no compact, locally connected and locally 1-connected metric space. It is a result that extends Wolfgang Haken's proof that R. H. Bing's famous contractible open 3-manifold W^3 can embed in no compact 3-manifold. We shall introduce the problem and then present some of the established results.