



ITES2007 Sixth Italian-Spanish conference
on General Topology and applications
Bressanone, 26-29 June 2007

On Bing-Whitehead Cantor sets

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We shall begin the talk with a short historical survey on wild Cantor sets, including new techniques for constructing wild Cantor sets which are Lipschitz homogeneously embedded and rigid wild Cantor sets with simply connected complement.

In the main part of the talk we shall present recent joint work with D. J. Garity, D. G. Wright and M. Željko, a proof that Bing-Whitehead Cantor sets are equivalently embedded in R^3 if and only if their defining sequences differ by some finite number of Whitehead constructions.

In conclusion, we shall state some open problems and conjectures.