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Generalizations of Gabai's results on the Whitehead manifold

Abstract: I will review properties of the contractible open 3 manifold known as the Whitehead manifold using results on contractibility and the geometric index of one torus in another. I will then present details on Gabai's recent result that the Whitehead manifold is a union of two copies of R3, with intersection R3. I will proceed to discuss how to construct an uncountable number of distinct examples of this basic example.