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Minimal symmetry breaking of the cosmological principle and dominating dust

We propose a definition of 'minimal symmetry breaking' of the cosmological principle. By Bianchi's classification of all Lie algebras of Killing vectors on 3-spaces this minimal symmetry breaking allows for only three examples: the axial Bianchi I, V and IX universes.

This is joint work with Galliano Valent and André Tilquin.