## On W. Kuperberg's 6 cylinder problem

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## Abstract

Various problems on infinite long circular cylinders will be surveyed. The talk will focus on a question of W.Kuperberg, where he conjectured that at most 6 unit-radius cylinders with mutually disjoint interiors can touch a unit ball. Heppes and Szabó proved in 1991 that he maximum number is at most 8; nine years later Brass and Wenk improved this result to 7. In this talk an outline of a non-computational solution will be given.