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Realizing Degree Sequences with Graphs having Nowhere-zero 3-Flows.

Archdeacon proposed the following open problem: Characterize all graphical sequences S such that some realization of S admits a nowhere-zero 3-flow. This problem was also posted by Luo et al in their paper(Combinatotica, 2004). We completely solve this problem and get a characterization of graphic sequences which have a realization that admits a nowhere-zero 3-flow. (Received February 08, 2007)