1125-52-800   **Tudor I. Zamfirescu*** (`tuzamfirescu@gmail.com`). *Discs held in cages.*
A *cage* is the 1-skeleton of a 3-dimensional polytope. In how many ways can a disc (2-dimensional ball) be held by a regular tetrahedral cage? And if the tetrahedron is not necessarily regular? And if we have a pentahedron instead? Such questions will be answered in this talk. (Received September 12, 2016)