
DIMITRI DIAS, Université de Montréal

Apollonian packings

Apollonian packings date back to ancient Greece and, from a number theoretical point of view, are very attractive objects. In this talk, we will discuss the properties of the set of curvatures (the inverses of the radii) of such packings and some of their generalizations. Under the right conditions, these curvatures are integers. These integers can be studied and counted, and some of these results will be exposed here.