

学术报告

Koebe Conjecture and the Weyl Problem for Convex Surfaces in Hyperbolic 3-Space

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Abstract: We prove that the Koebe circle domain conjecture is equivalent to the Weyl type problem that every complete hyperbolic surface of genus zero is isometric to the boundary of the hyperbolic convex hull of the complement of a circle domain. It provides a new way to approach the Koebe's conjecture using convex geometry. The main tool we use is Schramm's transboundary extremal lengths.

欢迎大家参加！