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Apollonian coronas, spinor structures, tessellations and Epstein-like Zeta functions.

The Descartes configuration of circles has a hidden $\mathfrak{sl}(2)$ spinor structure. We shall present the “square root of Descartes formula” and show how it relates to certain plane tessellations. Also, with its help, the areas of Apollonian coronas will be evaluated in terms of certain series that resemble the Epstein Zeta functions. (Received February 05, 2018)