

1099-51-326

Jerzy Kocik* (jkocik@siu.edu), Department of Mathematics, SIU, Carbondale, IL 62901.

Apollonian spin networks.

Apollonian disk packings involve a surprisingly rich combination of formalisms native to mathematical physics: from relativity and Minkowski space to quantum mechanics. In this presentation we show how an integral Apollonian gasket may be viewed as a spin network. This will also be an occasion to reconsider the underlying relation of spin networks to tensor calculus in general. (Received February 10, 2014)