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**Alex V Kontorovich\*** ([alex.kontorovich@rutgers.edu](mailto:alex.kontorovich@rutgers.edu)), 110 Frelinghuysen Rd., Piscataway, NJ 08854. *Geometry and arithmetic of circle packings.*

We will discuss many new families of circle packings exhibiting the same arithmetic features of the Apollonian packing. This is joint work with Kei Nakamura. (Received January 29, 2016)