1163-08-788   **Catherine M Hsu***, chsu2@swarthmore.edu, and **Holley Friedlander**, **Elena Fuchs**, **Piper H**, **Katherine Sanden**, **Damaris Schindler** and **Katherine Stange**. *Prime components in Apollonian packings.*

An Apollonian circle packing is a fractal arrangement formed by repeatedly inscribing circles into the interstices in a Descartes configuration of four mutually tangent circles. The curvatures of the circles in such a packing are often integers, and so it is natural to ask questions about their arithmetic properties. For example, it is known by work of Bourgain-Fuchs that a positive fraction of integers appear as curvatures in any integral Apollonian circle packing. In this talk, we investigate the arithmetic properties of the collection of integers appearing in "thickened prime components" of Apollonian circle packings. (Received September 12, 2020)