

Bryn Mawr Distressing Math Collective

Pants and Tri-Pants

Avalon Vanis '23

² ^a We define and explore basic topological ideas, the surface of the pairs of pants (in the mathematical sense— although if you have any interesting pant

of six homotopy classes of simple closed curves on the surface of the twice-punctured torus such that certain pairs of curves determine a pants decomposition on our surface. We will explore the tri-pants graph— a graph with vertices corresponding to choices of tri-pants --and the connection of this graph to the Farey graph. In this, we prove that the tri-pants graph has infinite diameter and is connected.

Wednesday, September 15th at 7 PM

Join at Park 45 or via Zoom

Snacks in the Math Lounge before the talk begins!

Zoom Link:

<https://brynmawr-edu.zoom.us/j/95807981?pwd=aXZlMnF7MjUyWDRlS1d3TGozc0t5Zz09>