

1125-11-2246

Piper Harron*, 2565 McCarthy Mall (Keller Hall 401A), Honolulu, HI 96822, and **Manjul Bhargava**. *Equidistribution of Shapes of Number Fields of degree 3, 4, and 5*.

In her talk, Piper Harron will introduce the ideas that there are number fields, that number fields have shapes, and that these shapes are everywhere you want them to be. This result is joint work with Manjul Bhargava and uses his counting methods which we currently only have for cubic, quartic, and quintic fields. She will wave her hands in the general direction of a sketch of the proof of this result and beseech all interested parties to check out her thesis. (Received September 20, 2016)