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Heuristics for narrow class groups and unit signatures of abelian number fields with odd degree.

We present heuristics for the behavior of a certain collection of ray class groups that arise when studying the narrow class group. These heuristics allow us to make predictions for unit signature ranks and the 2-torsion of narrow class groups. We demonstrate our predictions and provide computational support for abelian extensions of degree $n = 3, 5, 7$. This is joint work with Ila Varma and John Voight.