



Mathematics and CS Seminar

Bi-quadratic fields having a non-principal Euclidean ideal class

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Host: Timothy Browning

In 1979, H. W. Lenstra defined the notion of an Euclidean ideal class and proved that if a number field K has a non-principal Euclidean ideal class then the ideal class group Cl_K of K is cyclic. Except for the imaginary quadratic fields, he was able to prove the converse, under the assumption of GRH. Later, H. Graves constructed an explicit biquadratic field having an Euclidean ideal class and after a few years C.Hsu provided a family of such fields. In this talk, we shall give a new class of biquadratic fields other than the ones given by Graves and Hsu. This is a joint work with Dr. M. Subramani.

Thursday, October 31, 2019 10:30am - 11:00am

IST Austria Campus Heinzl Seminar Room / Office Bldg West (I21.EG.101)



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