

The mapping class group and its Steinberg module

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Abstract:

I will introduce an important object associated to the mapping class group of a surface called the Steinberg module. I will give some justification for its importance and discuss how it relates to Steinberg's original module over a finite Chevalley group of Lie type such as the special linear group over a finite field. I will provide a gentle introduction with definitions to all of the above objects.

Refreshments at 2:30 PM in SC 313

Talk at 3:00 PM in SC 323