

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, March 3
3:00 – 4:00 PM
Maria Sanford, Room 101

GROUP ACTIONS ON FINITE SETS AND THEIR RATIONAL REPRESENTATIONS

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Abstract: Motivated by topology, we will describe the Burnside ring of a finite group G and the canonical map to the ring of rational representations of G . Based on the work of Tornehave, we describe the kernel and the image of this map and we generalize this study to finite sets with a free action by another group H . In particular, we present some partial results in collaboration with Eric Kahn and formulate some open questions. The talk is accessible to students familiar with groups and vector spaces.

For further information:
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