

BOSTON UNIVERSITY MATHEMATICS COLLOQUIUM

Realizations of Frobenius algebras and their generalizations

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Friday, December 4 at 4 pm
SCI 117

Abstract: A Frobenius algebra is a commutative, associative algebra with an invariant inner product. Examples appear in many places in topology (the cohomology of a compact oriented manifold), singularity theory (the Milnor ring) and algebra (the center of a group ring). We describe some generalizations of Frobenius algebras particularly in the presence of symmetries (group actions) and describe some geometric realizations.

At 3:00 pm, tea will be served in MCS 144.