BOSTON UNIVERSITY GEOMETRY SEMINAR

Logarithms, torsion, and TQFT

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Monday, Nov. 15, 3-4 pm in MCS 135
Tea 2:45-3 in MCS 153

Abstract:
Logarithmic representations of groupoids provide a source of (potential) homotopy invariants. Instructed by TQFT one is led to a formulation of such structures on cobordism categories. Whilst the phenomenology is rather clearly there (a respectable number of interesting examples), a proper theory has not yet been fully worked out. In this talk I will elaborate on the objectives of this programme, outlining the examples, and indicate what is so far known/expected on the theoretical side.