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Duality of surface graphs and CohFT

Monday, December 3, 2018 3:30 PM (1 hour)

We will present an alternative formulation of cohomological field theories based on the categories of surface graphs. The aim of this formalism is to visualize the classification theorem due to Givental and Teleman. Surface graph duality leads to a Frobenius-Hopf correspondence, which illuminates the structure theorem of semi-simple CohFT. Talk is based on my joint work with O. Dumitrescu.

Presenter: MULASE, Motohico