

# **INTERPLAY BETWEEN RIBBON GRAPHS AND COHFT**

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I will review an axiomatic formulation of a 2D TQFT whose formalism is based on the edge-contraction operations on graphs drawn on a Riemann surface (cellular graphs). I will describe a new result, that ribbon graphs provide both cohomological field theory and a visual explanation of Frobenius–Hopf duality, that plays a crucial role in Givental–Teleman’s classification theorem of CohFTs. No prerequisite is assumed. This is based on a work in progress with Motohico Mulase.

Talk will take place in Pearce 226 on  
**FRIDAY, 10/26/2018, 11:15AM–12:15PM**

*Hope to see you there!*