Speaker: Frohman, Charles

Title: Invariants of 3-manifolds away from roots of unity

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Abstract: An ideal triangulation of a 3-manifold is efficient if the only normal tori and spheres are links of the boundary of the manifold. We show that given an efficient triangulation there is an induced linear functional on the Kauffman bracket skein module of the boundary of the three-manifold. The linear functional is obtained by renormalization of the TQFT underlying the Turaev-Viro invariant.