

BOSTON UNIVERSITY GEOMETRY SEMINAR

**Whitehead doubles of the
 $(2, 2^k - 1)$ torus knots are linearly
independent in the concordance
group.**

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Monday, March 29, 3-4 pm in MCS 135
Tea 2:45-3 in MCS 153

Abstract: We use the techniques of instanton moduli spaces on 4-manifolds with cylindrical ends to prove the statement of the title. I'll outline how to obtain estimates of Chern-Simons invariants of flat connections to prove compactness of the moduli spaces. (joint work with Matt Hedden)