

# Space graphs with framed vertices and tangles

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007 Kemeny Hall, 4:00PM

Tea 3:30PM 300 Kemeny Hall

## Abstract

The talk is devoted to the isotopic classification problem of graph embeddings in 3-space. For connected finite graphs with *2-chord framings* we reduce the isotopic classification problem of embeddings of graphs *with framed* ( $=$  *oriented rigid*) *vertices* in 3-space to the isotopic classification problem of tangles. As a corollary we get an isotopic classification of the *rational* embeddings of 2-circle wedges with framed vertex in 3-space and of  $\theta$ -graphs with framed vertices in 3-space.

This talk should be accessible to graduate students.