

## **HACETTEPE ÜNİVERSİTESİ MATEMATİK BÖLÜMÜ**

### **GENEL SEMİNERİ**

#### **(HACETTEPE MATHEMATICS GENERAL SEMINAR)**

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Title: Unifying unexpected exceptional Dehn surgeries

Abstract: This past summer Dunfield-Hoffman-Licata produced examples of asymmetric, hyperbolic, 1-cusped 3-manifolds with pairs of lens space Dehn fillings through a search of the extended SnapPea census. Examinations of these examples with Hoffman and Licata lead us to coincidences with other work in progress that gives a simple holistic topological approach towards producing and extending many of these families. In this talk we'll explicitly describe our construction and discuss related applications of the technique.

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