

## **BRODY HOLOMORPHIC CURVES ON THE DEGREE SIX FERMAT SURFACE**

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A holomorphic map from the complex line to the  $n$ -dimensional complex projective space is called a Brody curve if its spherical derivative is bounded. In 2010, Eremenko applied potential theory to study Brody curves omitting  $n$  hyperplanes in general position and showed that these curves have growth order at most one, normal type. In this talk, we will characterize Brody curves on the degree six Fermat surface in the three dimensional complex projective space based on Eremenko's potential theoretical method. This is a joint work with Sai Kee Yeung.