

The geometry of holomorphic and algebraic curves in
complex algebraic varieties
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Defect relation for holomorphic curves intersecting hypersurfaces

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Abstract

In this talk, I'll discuss the defect relation I established for holomorphic curves intersecting hypersurfaces. It gives a confirmation to the conjecture raised by Shiffman in 1979. If time permits, I'll also discuss how to extend the result to holomorphic maps into arbitrary smooth algebraic varieties by using the results in the Geometric Invariant Theory.