

Atypical Hodge Loci

Wednesday, 5 June 2024 16:00 (1 hour)

In the recent works of a number of people there has emerged a new perspective on Hodge loci. A central result in that development appears in a paper by Baldi, Klingler, and Ullmo*. In this talk, we will explain their result and give a proof. The essential step is to use the integrability conditions associated to a Pfaffian PDE system.

*Baldi, Gregorio; Klingler, Bruno; Ullmo, Emmanuel. On the distribution of the Hodge locus. *Invent. Math.* 235 (2024), no. 2, 441–487

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