İSTANBUL ANALYSIS SEMINARS

MULTIPOLE GREEN FUNCTIONS WITH COLLIDING POLES

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Abstract: It is known that the pluricomplex Green function with several poles (introduced by V. Zakhariuta) depends continuously on the poles, as long as the poles do not collide. Generally, the function need not have a limit when all the poles tend to a single point of the domain. We establish a natural condition for the convergence and show what the limit function is.

The talk is based on a joint paper with Pascal Thomas (Toulouse).

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Bankalar Caddesi 2, Karaköy 34420, İstanbul