

千葉大学解析セミナー

講演題目

Recent Developments in Integral Asymptotics

講演者

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The talk consists of three main parts. In the first part, I will show how the remainder terms of asymptotic expansions for integrals with saddles can be estimated in a realistic manner using resurgence and the basic terminants introduced originally by R. B. Dingle. Several examples will be given. The second part is about inverse factorial expansions arising from Mellin transforms of asymptotic expansions. Again, the focus is on bounding the remainder terms. The third, and final, part discusses a generalization of Laplace's method and its applications to special functions with transition regions.

日時 : 2018 年 11 月 6 日 (火曜日)

16 時 10 分 ~ 17 時 30 分

場所 : 理学部 2 号館 1 階 105 号室