

Irregular Riemann-Hilbert correspondence and Fukaya category

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In the formulation of D'Agnolo-Kashiwara's irregular Riemann-Hilbert correspondence, they used the notion of R-constructible enhanced ind-sheaves, where one can see some properties which are related to Fukaya categories: sheaf quantization and Novikov ring. In this talk, I will explain these and a conjecture hopefully explaining these. I will also explain my ongoing work on "irregular characteristic cycles", which is a first step toward the direction.

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