Atelier
« Régulateurs, mesures de Mahler et valeurs spéciales de fonction L »
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Workshop
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Beilinson's conjecture for Rankin—Selberg products of modular forms

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In this talk, we will investigate Beilinson's conjecture for the Rankin—Selberg convolution of two modular forms. We construct explicit elements in the motivic cohomology of the product of two Kuga—Sato varieties, and compute their regulator in terms of noncritical L-values of Rankin products of modular forms, as predicted by Beilinson's conjecture. Further, we show that these elements extend to the boundary of the Kuga—Sato variety.

This is joint work with Masataka Chida.

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