

# Beilinson–Flach elements on product of modular curves and modular surfaces

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In my previous joint work with Loeffler and Zerbes, we have constructed the so-called “generalized Beilinson–Flach” elements on a product of two modular curves. On showing that these elements satisfy some norm relations, we constructed Euler systems for the Rankin–Selberg convolution of two modular forms. In this talk, I shall explain a generalization of this construction to Hilbert modular surfaces.

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