

Regularized inner products and meromorphic modular forms

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In this talk, we discuss regularized inner products between meromorphic modular forms. In addition to their established applications via theta lifts, we will introduce a realization of higher Green's functions evaluated at CM-points as an inner product and give a new interpretation to weakly holomorphic Hecke eigenforms. This is based on joint work with Kathrin Bringmann and Anna von Pippich.