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Claudia Alfes-Neumann* (alfes@math.upb.de), Universität Paderborn, Institut für
Mathematik, Warburger Str. 100, 33098 Paderborn, Germany. *On the rationality of cycle integrals
of meromorphic modular forms.*

In this talk we present finite rational formulas for the traces of cycle integrals of certain meromorphic modular forms. We obtain such formulas by considering the Shintani lift of these forms, thus giving an extension of this lift to meromorphic modular forms of positive even weight. This construction gives the modular completion of the generating function of the traces of cycle integrals of such meromorphic modular forms. This is joint work with Kathrin Bringmann and Markus Schwagenscheidt. (Received January 17, 2019)