

Jonathan Pottharst: **On the parity conjecture in p-adic analytic families**

Work of Nekovar shows how the validity of the parity conjecture for a p-adic Galois representation of a number field is often constant as the representation varies in an irreducible p-adic analytic family, subject to certain symplectic self-duality and "Panchishkin" conditions. We explain joint work with Xiao that pushes these techniques towards generality.