Abel-Jacobi Maps of Algebraic Cycles

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For a smooth quasiprojective variety over $\mathbb{C}$, we give an explicit description of the Bloch cycle class map from the higher Chow groups to Beilinson’s absolute Hodge cohomology. We then arrive at an explicit formula for a weight filtered Abel-Jacobi map. This talk is based on earlier joint work with Matt Kerr [Inv. Math. 170].