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**Arnav Tripathy\*** (tripathy@stanford.edu). *Further counterexamples to the integral Hodge conjecture.*

I'll briefly recall the history of counterexamples to the integral Hodge conjecture, starting with the topological motivations of Atiyah and Hirzebruch. I'll then transition to describing a new class of counterexamples to the integral Hodge and integral Tate conjectures that I show exist according to a conjecture of Ben Antieau. (Received February 16, 2016)