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32306. *Celestial integration and birational invariants.*

We present a formalism determining a class in the Chow group of every variety mapping properly and birationally to a given one, from the data of a divisor and a constructible function. This ‘celestial integration’ satisfies a change-of-variable formula, and leads naturally to the definition of characteristic classes for (possibly) singular varieties, and to other invariants. (Received August 24, 2006)