Bivariant cycle cohomology
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Bivariant cycle cohomology is a theory for schemes of finite type over a field k, introduced by E. M. Friedlander and V. Voevodsky. It is constructed using a complex defined in terms of algebraic cycles, thus it can be thought of as a variant of motivic cohomology for smooth schemes. First part of my talk will be a discussion of elementary concepts and techniques leading to the construction of more sophisticated cohomology theories. In the second part, I will give the definition of bivariant cycle cohomology, list some properties, and discuss the relations between this theory and other known (co)homology theories for schemes.