

References: We will add more as the semester goes on. Please tell us any suggestions you have. For this semester (Fall 2007) the purpose is to get a list of basic references concerning motives.

### Articles.

### Motives.

Grothendieck, A., *Standard conjectures on algebraic cycles*. 1969 Algebraic Geometry (Internat. Colloq., Tata Inst. Fund. Res., Bombay, 1968) pp. 193–199. Oxford Univ. Press, London

Demazure, M., *Motifs des Variétés Algébriques*, Seminaire Bourbaki, 22e année, 1969/70, nr **365**.

Kleiman, Steven L., *Motives*. Algebraic geometry, Oslo 1970 (Proc. Fifth Nordic Summer-School in Math., Oslo, 1970), pp. 53–82. Wolters-Noordhoff, Groningen, 1972.

Kleiman, Steven L., *Algebraic cycles and the Weil conjectures*. in: Dix Exposes Cohomologie Schemas, Advanced Studies Pure Math. **3**, 359-386 (1968).

*Motives*, Proceedings of Symposia in Pure Mathematics **55**, Part I, II. Editors: Uwe Jannsen, Steven Kleiman, Jean-Pierre Serre.

Especially relevant is the paper by Tony Scholl defining “classical” motives.

Yves André, *Une Introduction aux Motifs*, Panoramas et Synthèses, Numéro **17**, 2004.

Manin, Yuri I., *Correspondences, motives and monoidal transformations*, Math. USSR Sbornik **77**, 475-509, Math. U.S.S.R. Sb. **6**, 439-470 (1968).

### Tannakian categories.

R.N. Saavedra, *Catégories tannakiennes*, Lecture Notes in Math. vol. **265**, Springer-Verlag, Berlin (1972).

P. Deligne and J.S. Milne, *Tannakian categories*, in: Hodge Cycles, Motives, and Shimura Varieties, Lecture Notes in Math. vol. **900**, Springer-Verlag, Berlin (1982), pp. 101–228.

P. Deligne, *Catégories tannakiennes*, in: The Grothendieck Festschrift, Collected Articles in Honor of the 60th Birthday of A. Grothendieck, vol. II, Progr. Math. vol. **87** (1990), pp. 111-195.

### Intersection theory.

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William Fulton, *Intersection Theory*. Springer.

### Applications and additional theory, conjectures.

Katz, Nicholas M. and Messing, William, *Some consequences of the Riemann hypothesis for varieties over finite fields*, Invent. Math. **23** (1974), 73–77.

Jannsen, Uwe, *Motives, numerical equivalence, and semi-simplicity*. Invent. Math. **107** (1992), no. 3, 447–452.

Deninger, Christopher and Murre, Jacob, *Motivic decomposition of abelian schemes and the Fourier transform*. J. Reine Angew. Math. **422** (1991), 201–219.

Murre, Jacob P., *On a conjectural filtration on the Chow groups of an algebraic variety. I. The general conjectures and some examples*. Indag. Math. (N.S.) **4** (1993), no. 2, 177–188.

Murre, Jacob P., *On a conjectural filtration on the Chow groups of an algebraic variety. II. Verification of the conjectures for threefolds which are the product on a surface and a curve*. Indag. Math. (N.S.) **4** (1993), no. 2, 189–201.