Hélène Esnault

List of publications.

Thèse de Doctorat de $3°$ cycle :
Singularités rationnelles et groupes algébriques. Université Paris VII, October 1976

Thèse de Doctorat d'Etat :
corresponds to the publications 3 - 6, Université Paris VII, Feb. 1984

Publications:

1. Sur l'identification de singularités apparaissant dans des groupes algébriques complexes. *Publ. Math. de l'Université Paris VII*, **7** (1979), 31 - 59
   (résumé of the "Thèse de $3°$ cycle").

2. Classification des variétés de dimension 3 et plus. Séminaire Bourbaki, exp 568, Fév 81. *Springer Lect. Notes in Math.* **901**, 111 - 131, (survey).

3. Fibre de Milnor d'un cône sur une courbe plane singulière. *Inventiones math.* **68** (1982), 477 - 496.

4. (with E. Viehweg) Revêtement cycliques. Algebraic Threefolds, Proc. Varenna 1981, *Springer Lect. Notes in Math.* **947**, 241 - 250, (survey).

5. (with E. Viehweg) Sur une minoration du degré d'hypersurfaces s' annulant en certain points. *Math. Ann.* **263** (1983), 75 - 86.

6. (with E. Viehweg) Dyson's lemma for polynomials in several variables (and the theorem of Roth). *Inventiones math.* **78** (1984), 445 - 490.

7. (with E. Viehweg) Two dimensional quotient singularities deform to quotient singularities. *Math. Ann.* **271** (1985), 439 - 449.

8. Reflexive modules on quotient surface singularities. *Journ. reine angew. Math.* **362** (1985), 63 - 71.

9. (with E. Viehweg) Revêtements cycliques II. Proc. Algebraic Geometry, La Rabida 1984, *Hermann, Travaux en cours* **23** (1987), 81 - 96.

10. (with H. Knörrer) Reflexive modules over rational double points. *Math. Ann.* **272** (1985), 545 - 548.

11. (with E. Viehweg) Logarithmic De Rham complexes and vanishing theorems. *Inventiones math.* **86** (1986), 161 - 194.

12. Characteristic classes of flat bundles. *Topology* **27** (1988), 323 - 352.

13. (with E. Viehweg) Deligne-Beilinson cohomology. In: Beilinson's Conjectures on Special Values of L-Functions (Ed.: Rapoport, Schappacher, Schneider). *Perspectives in Math.* **4**, Academic Press (1988), 43 - 91.

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15. (with E. Viehweg) Vanishing and non-vanishing theorems. Proc. Hodge Theory, Luminy 1987 (Ed.: Barlet, Elzein, Esnault, Verdier, Viehweg). *Astérisque* **179-180** (1989), 97 - 112.

16. On the Loday symbol in the Deligne-Beilinson cohomology.
    K-Theory **3** (1989), 1 - 28.

17. A note on the cycle map. *Journal reine angew. Math.* **411** (1990), 51 - 65.

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19. A regulator map on singular varieties. *Math. Ann.* **286** (1990), 169 - 191.

20. Une remarque sur la cohomologie du faisceau de Zariski de la K-théorie de Milnor sur une variété lisse complexe. *Math. Zeitschrift* **205** (1990), 373 - 378.

21. Some examples of computation of a regulator map on singular varieties. *Contemporary Mathematics*, **131** (1992) (Part 3), 399-417 , Proc. of the "A.I. Maltsev Conf." on Algebra and Analysis, Novosibirsk 1989.

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26. (with V. Schechtman and E. Viehweg) Cohomology of local systems on the complement of hyperplanes. *Inventiones math.* **109** (1992), 557-561. Erratum: *Inventiones math.* **112** (1993), 447.

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