

**18.721 ALGEBRAIC GEOMETRY****BIBLIOGRAPHY**

This is a long list. You won't need to consult all of these books.

**Commutative algebra**

Atiyah, M. F. and MacDonald, I. G., *Introduction to Commutative Algebra*, Addison-Wesley 1969.

Eisenbud, D., *Commutative Algebra with a view toward algebraic geometry*, Springer 1995.

**Algebraic curves**

Fischer, G., *Plane Algebraic Curves*, Stud. Math. Lib. 15, AMS 2001.

Fulton, W., *Algebraic Curves*, Benjamin 1969.

Kirwan, F., *Complex algebraic curves*, LMS Stud. Texts 23, Cambridge 1992.

**Classical algebraic geometry**

Harris, J., *Algebraic Geometry, a first course*, Springer 1995.

Mumford, D., *Algebraic geometry I*, Classics in Math. Springer 1995.

Seiple, J. G. and Roth, L., *Introduction to Algebraic Geometry*, Oxford, 1985.

Shafarevich, I. R., *Basic Algebraic Geometry I*, 2nd ed, Springer 1994.

Smith, K. E. et al, *An Invitation to Algebraic Geometry*, Springer 2000.

**General algebraic geometry**

Bouscaren, E., *Model theory and algebraic geometry*, LNM 1696, Springer 1998.

Bump, D., *Algebraic geometry*, World Scientific 1998.

Cox, D., Little, J., and O'Shea, D., *Using algebraic geometry*, GTM 185, Springer 2005.

Eisenbud, D. and Harris, J., *The geometry of schemes*, GTM 197 Springer 2000.

Hartshorne, R., *Algebraic Geometry*, Springer 1977.