References for elliptic curves and cryptography

See also the list on `http://www.isg.rhul.ac.uk/~sdg/ecc.html`

1 Elliptic curves and cryptography

- Philippe Guillot, *Courbes elliptiques (une présentation élémentaire pour la cryptographie)*.
- Steven Galbraith, *Mathematics of Public Key Cryptography, Cambridge University Press* (2012), in particular Parts II and V
- Andreas Enge, *Elliptic curves and their applications to cryptography (an introduction)*.
- Koblitz, *A course in number theory and cryptography*
- Washington, *Elliptic Curves: Number Theory and Cryptography* (intermediate level)
- Blake, Seroussi, Smart, *Advances in Elliptic Curve Cryptography* (advanced cryptography).
- Hankerson, Menezes, Vanstone, *Guide to elliptic curves cryptography* (for implementations).
- Henri Cohen, Gerhard Frey, *Handbook of Elliptic and Hyperelliptic Curve Cryptography* (very complete).

2 Elliptic curves and number theory

- Tate, Silverman, *Rational points on elliptic curves*
- J. Silverman, *Arithmetic of elliptic curves* (the reference book).
- Milne, *Elliptic curves*, `http://www.jmilne.org/math/Books/ectext5.pdf`

3 Sage

- Présentation de sage, https://www.math.u-bordeaux.fr/~gcastagn/Cryptanalyse/sage_pres.pdf
- Livre "Calcul mathématique avec Sage", http://sagebook.gforge.inria.fr/
- Sage tutorial, https://doc.sagemath.org/html/en/tutorial/
- Quick reference, https://wiki.sagemath.org/quickref
- Sage documentation, http://doc.sagemath.org/