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Nota di contenuto	1. Pairing-based cryptography / Sebastien Canard and Jacques Traore? -- 2. Mathematical background / Jean-Luc Beuchat, Nadia El Mrabet, Laura Fuentes-Casta/eda, and Francisco Rodriguez-Henriquez -- 3. Pairings / Sorina Ionica and Damien Robert -- 4. Pairing-friendly elliptic curves / Safia Haloui and Edlyn Teske -- 5. Arithmetic of finite fields / Jean Luc Beuchat, Luis J. Dominguez Perez, Sylvain Duquesne, Nadia El Mrabet, Laura Fuentes-Casta/eda, and Francisco Rodriguez-Henriquez -- 6. Scalar multiplication and exponentiation in pairing groups / Joppe Bos, Craig Costello, and Michael Naehrig -- 7. Final exponentiation / Jean-Luc Beuchat, Luis J. Dominguez Perez, Laura Fuentes-Castaneda, and Francsico Rodriguez-Henriquez -- 8. Hashing into elliptic curves / Eduardo Ochoa-Jimenez, Francisco Rodriguez-Henriquez, and Mehdi Tibouchi -- 9. Discrete logarithms / Aurore Guillevic and Francois Morain -- 10. Choosing parameters / Sylvain Duquesne, Nadia El Mrabet, Safia Haloui, Damien Robert, and Franck Rondepierre -- 11. Software implementation / Diego F. Aranha, Luis J.

Dominguez Perez, Amine Mrabet, and Peter Schwabe -- 12. Physical attacks / Nadia El Mrabet, Louis Goubin, Sylvain Guilley, Jacques Fournier, Damien Jauvart, Martin Moreau, Pablo Rauzy, and Franck Rondepierre.

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