

ECC

# ECC - Elliptic-Curve Cryptography

Key Size	256 or 448 bits
Speed	<ul style="list-style-type: none"><li>~ factor of <math>10^6</math> cycles / operation</li><li>• Key generation: 1 - 5 ms (way faster than RSA)</li><li>• Encryption: 1 - 5 ms</li><li>• Decryption: 1 - 5 ms</li></ul>
Mathematical Foundation	Elliptic curves over finite fields