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Phone: +49 89 41 29 - 0
Fax: +49 89 41 29 12 164
Email: info@rohde-schwarz.com
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R&S®RTH Contents

R&S®RTH Introduction

How to obtain the source code

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curve25519-donna: Curve25519 elliptic curve, public key function

http://code.google.com/p/curve25519-donna/

Adam Langley <agl@imperialviolet.org>

Derived from public domain C code by Daniel J. Bernstein <djb@cr.yp.to>

More information about curve25519 can be found here: http://cr.yp.to/ecdh.html

djb's sample implementation of curve25519 is written in a special assembly language called ghasm and uses the floating point registers.

This is, almost, a clean room reimplementation from the curve25519 paper. It uses many of the tricks described therein. Only the crecip function is taken from the sample implementation.

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Version 3.1. 31 March 2009

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@version 3.0 (December 2000)

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- @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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