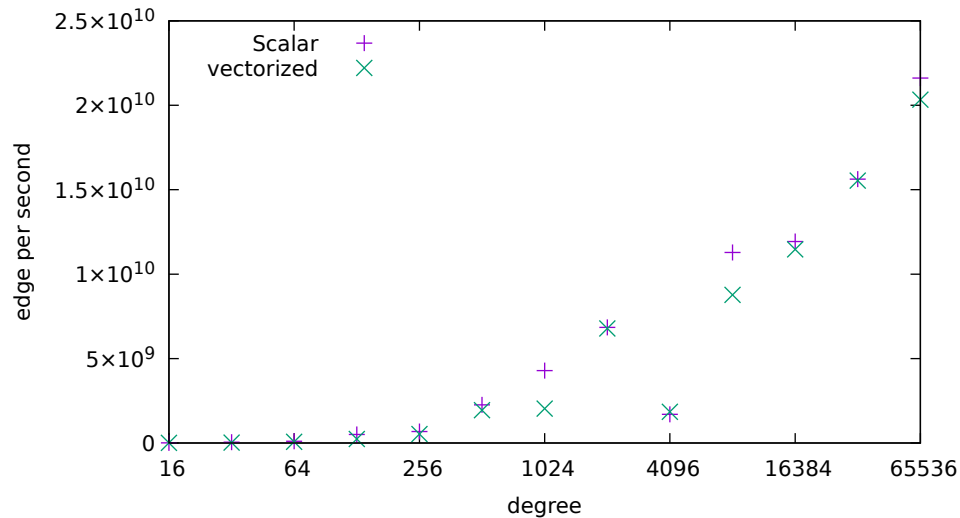
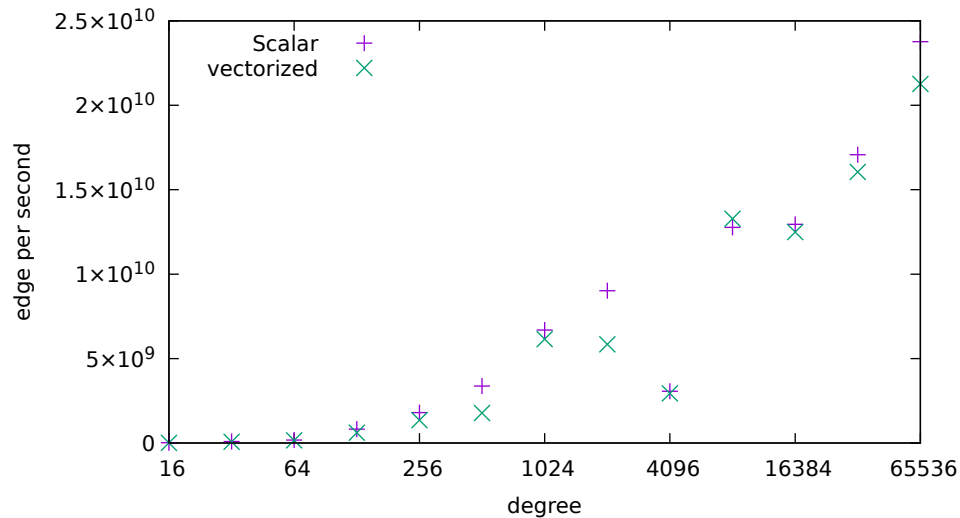


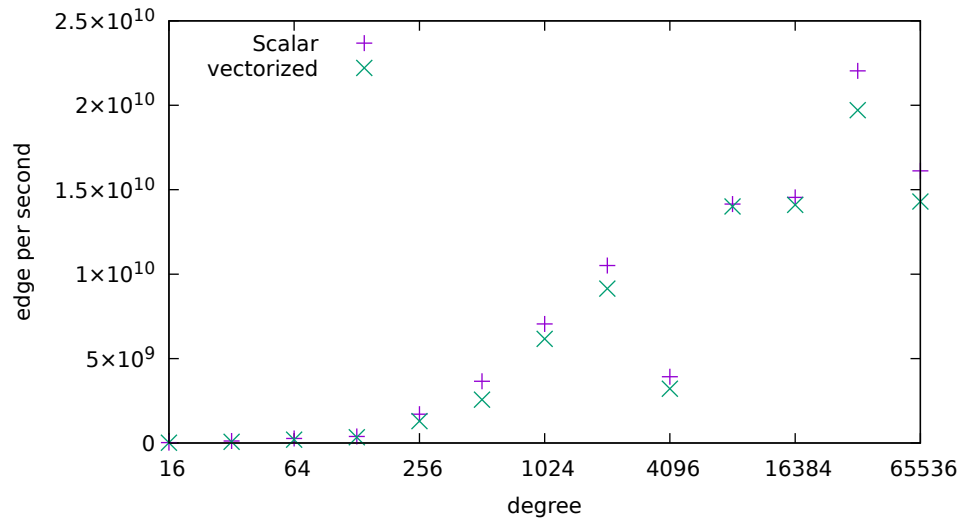
iter = 64



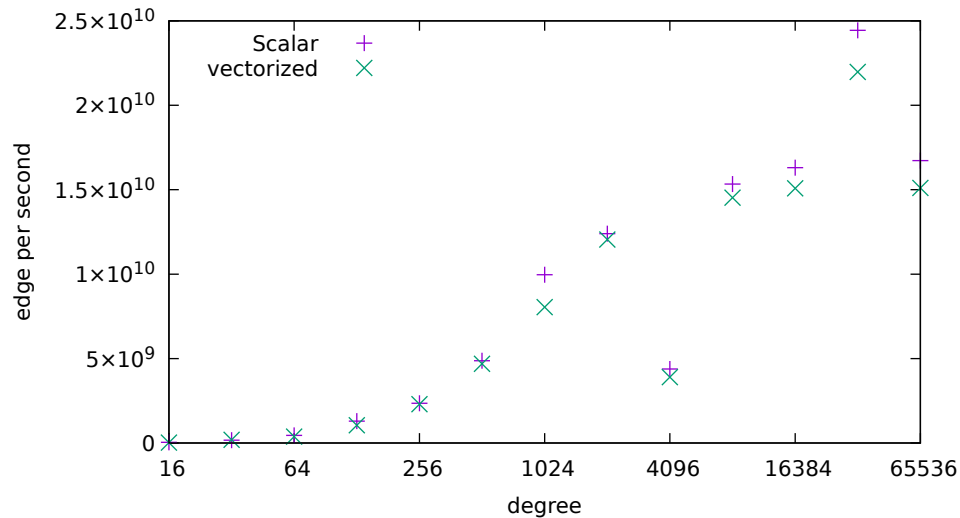
iter = 128



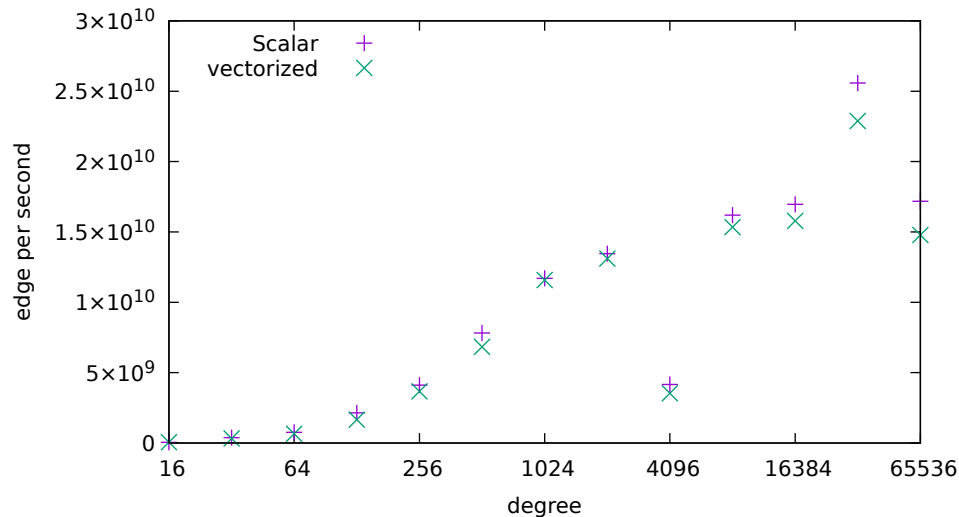
iter = 256



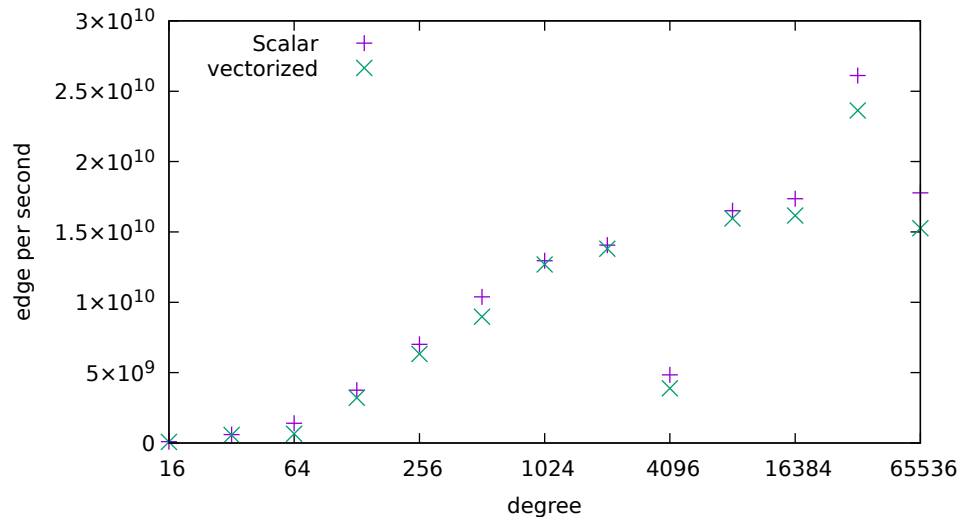
iter = 512



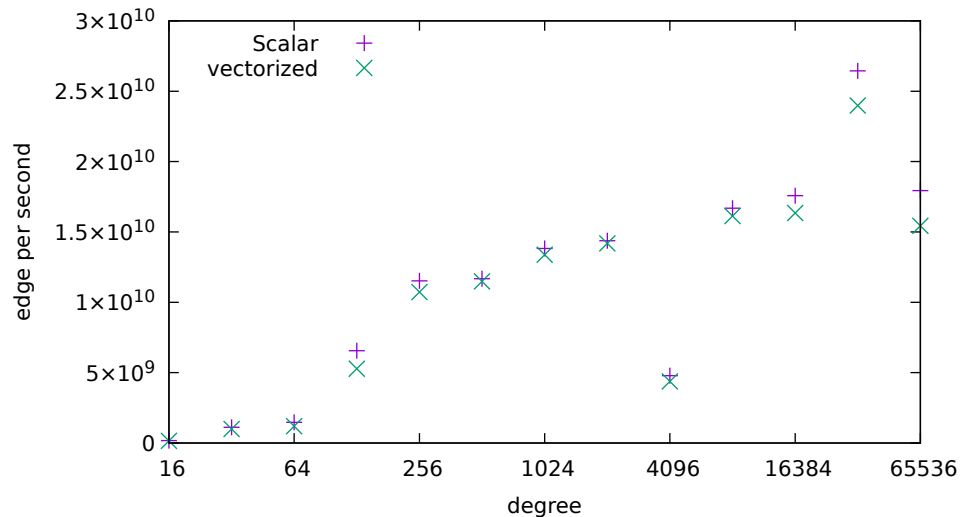
iter = 1024



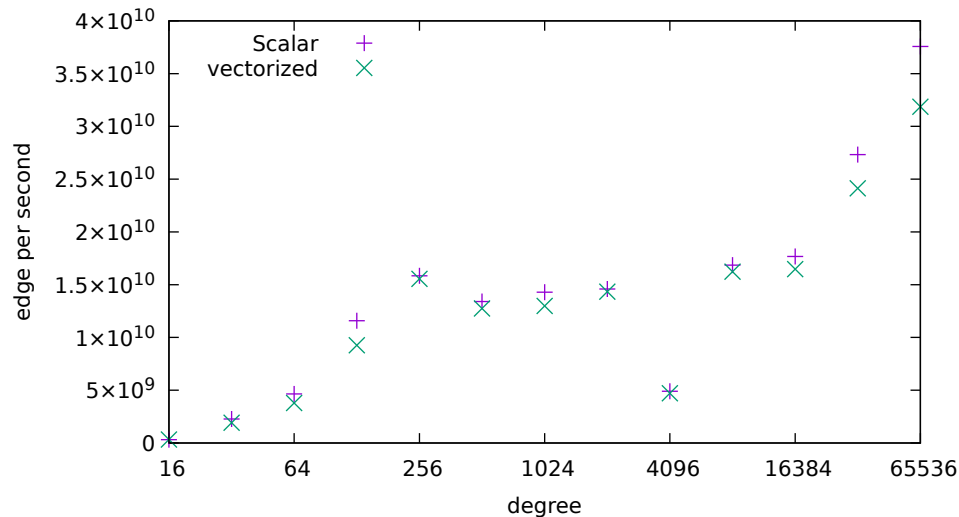
iter = 2048



iter = 4096

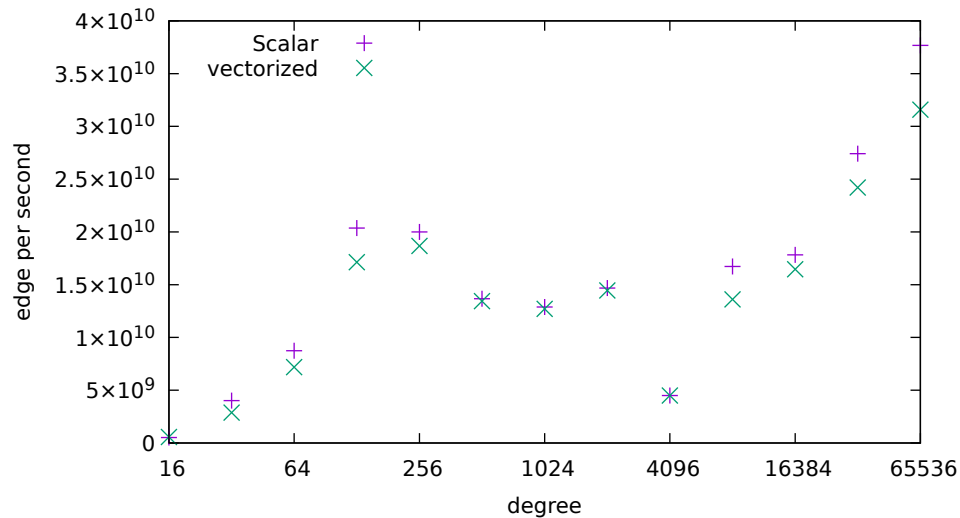


iter = 8192

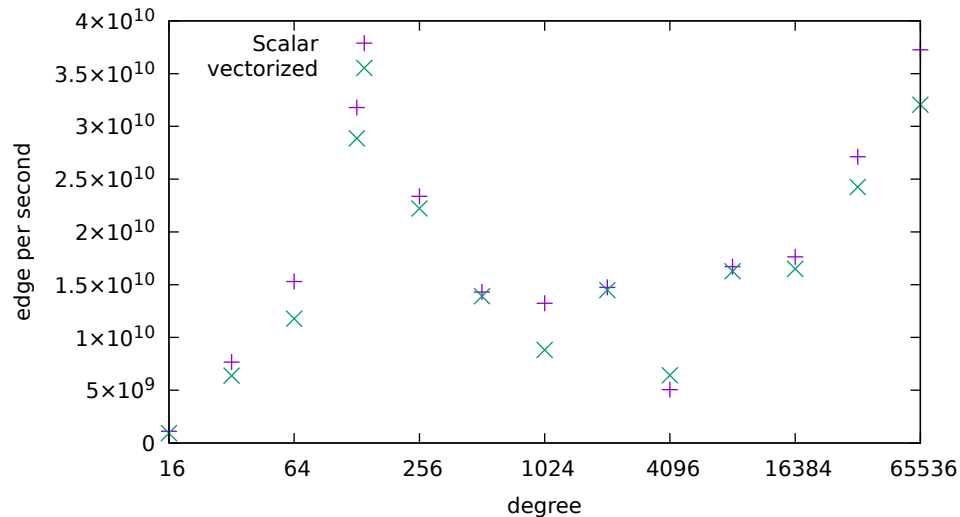




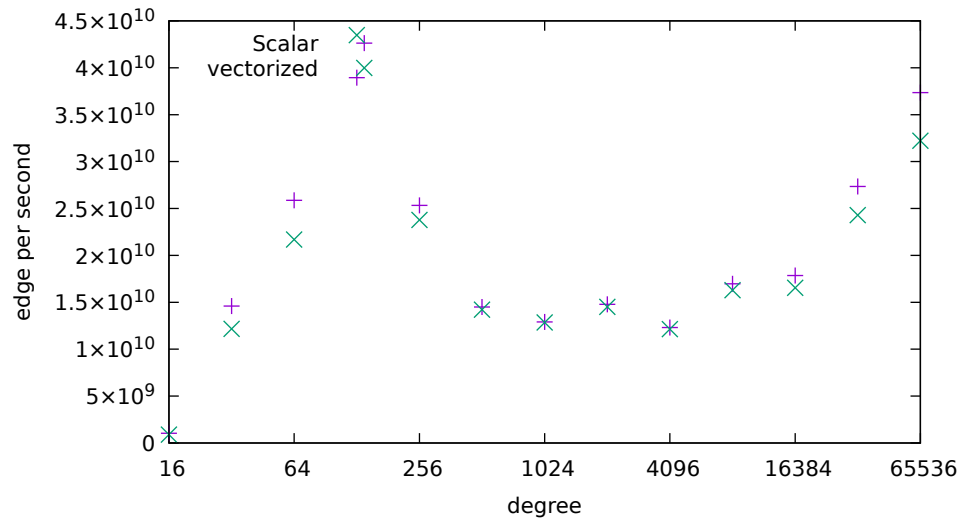
iter = 16384



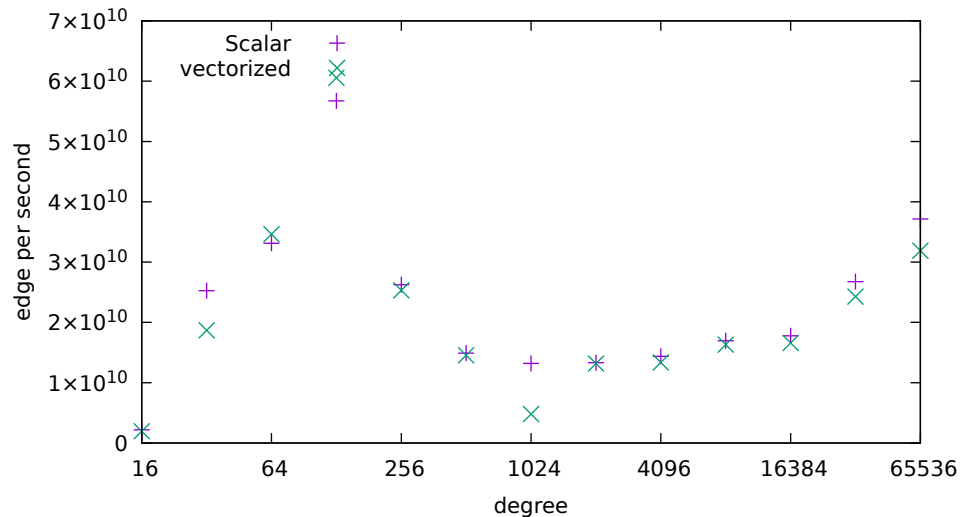
iter = 32768



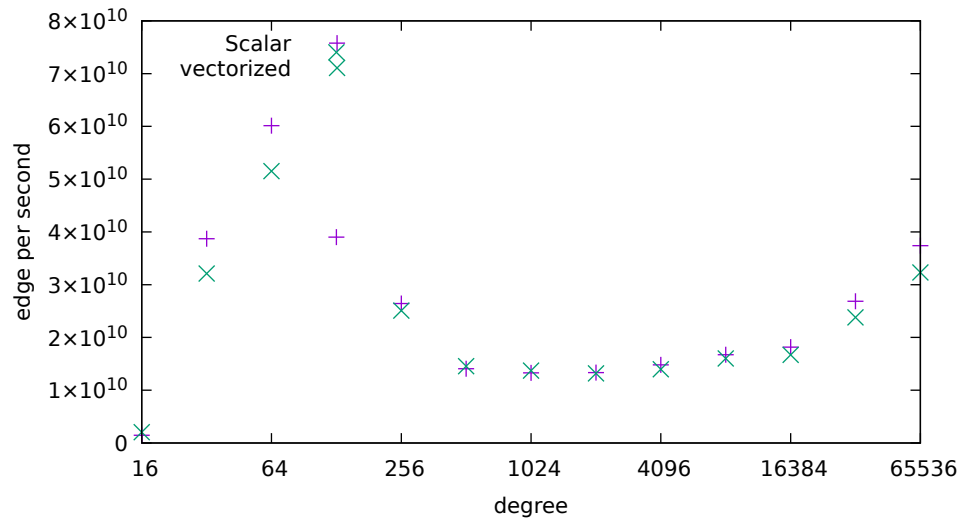
iter = 65536



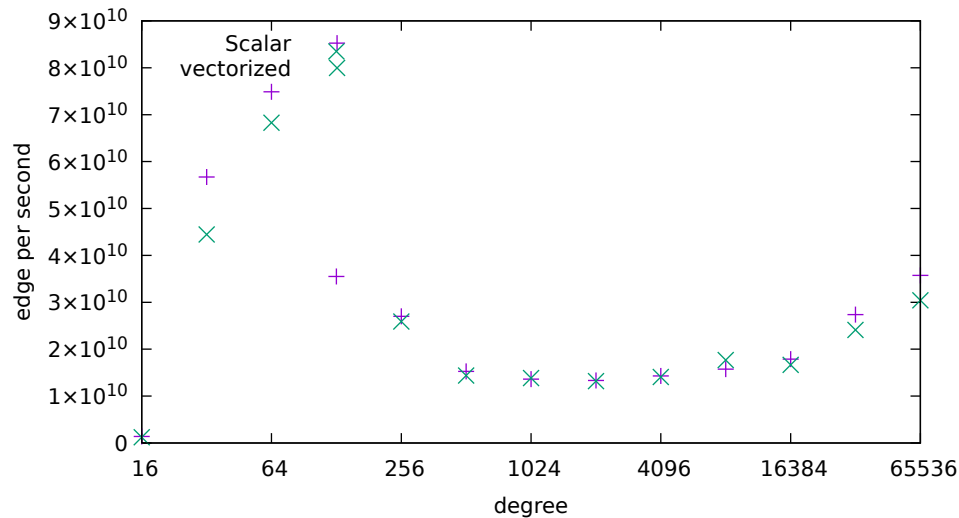
iter = 131072



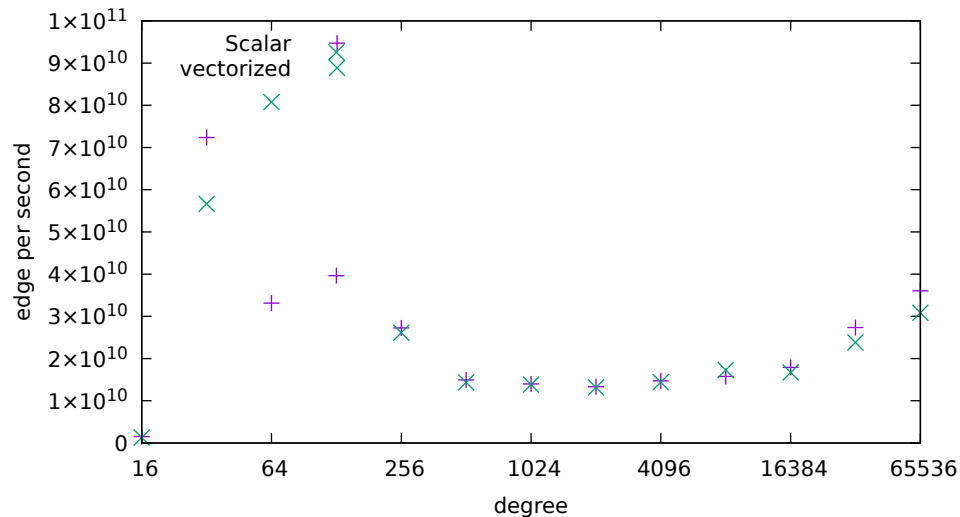
iter = 262144



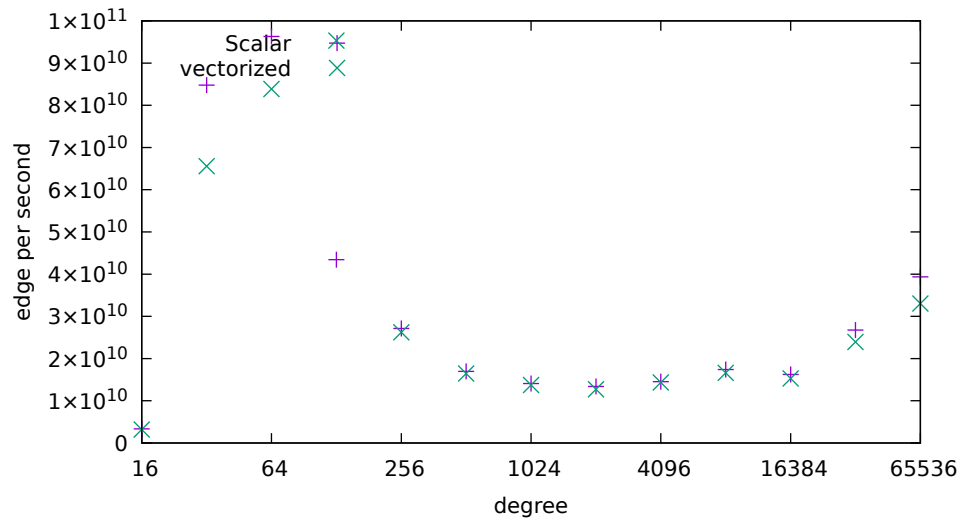
iter = 524288



iter = 1048576

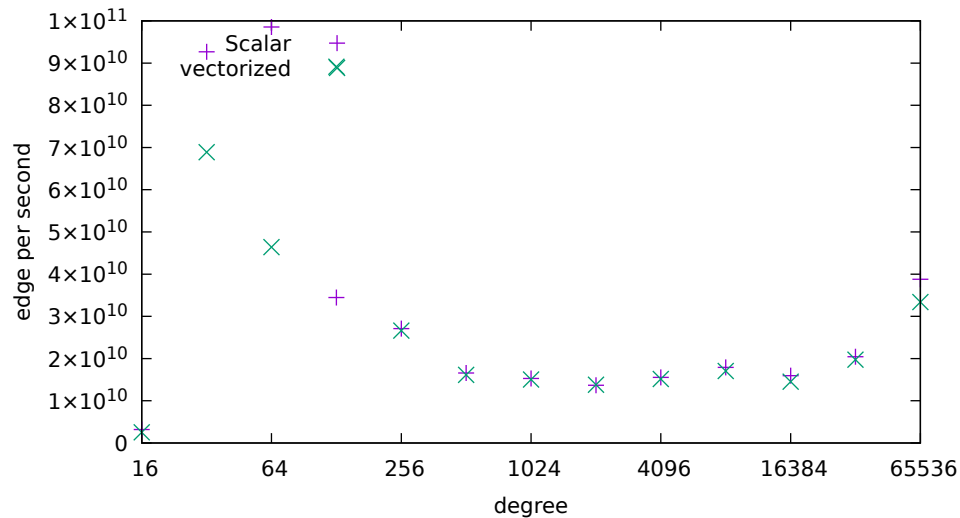


iter = 2097152

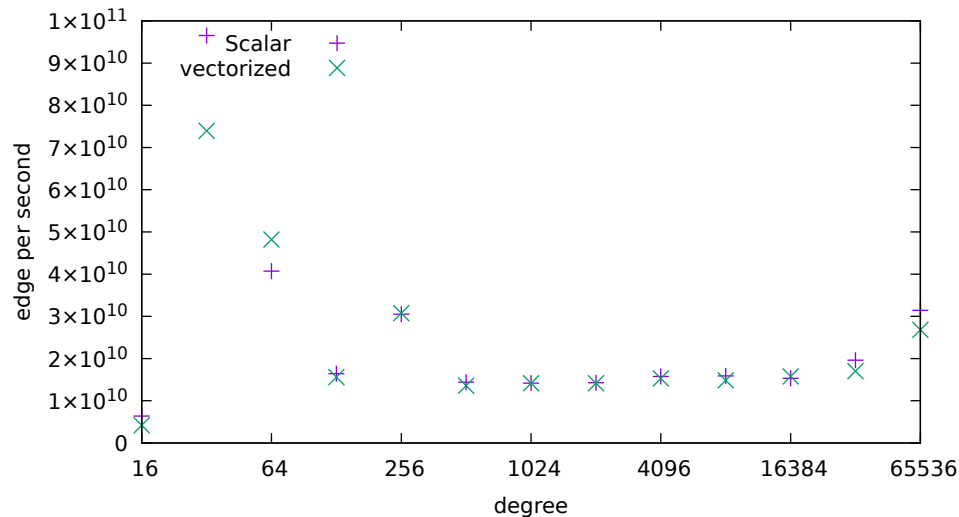




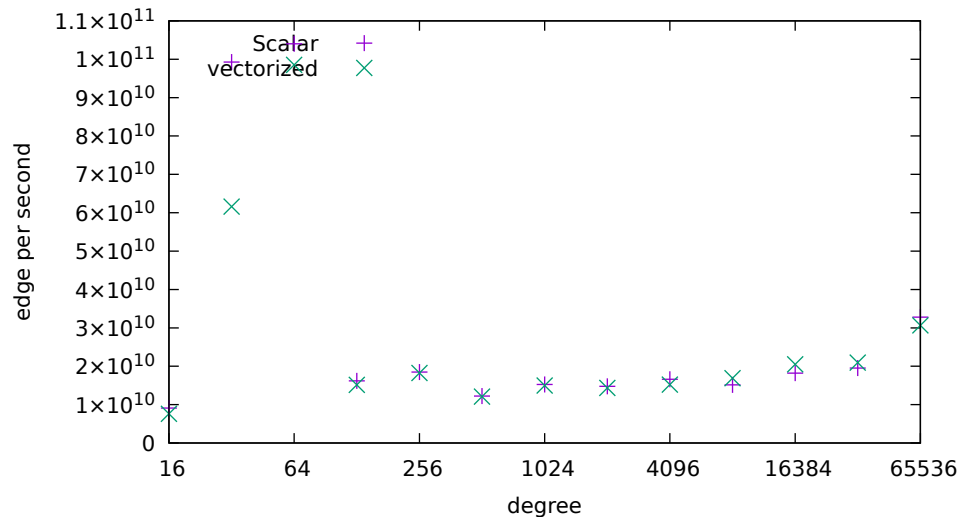
iter = 4194304



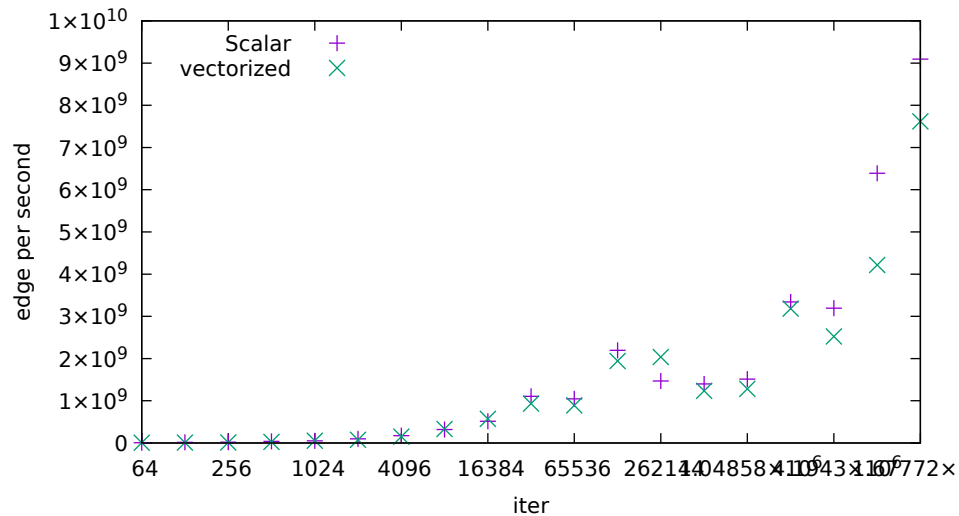
iter = 8388608



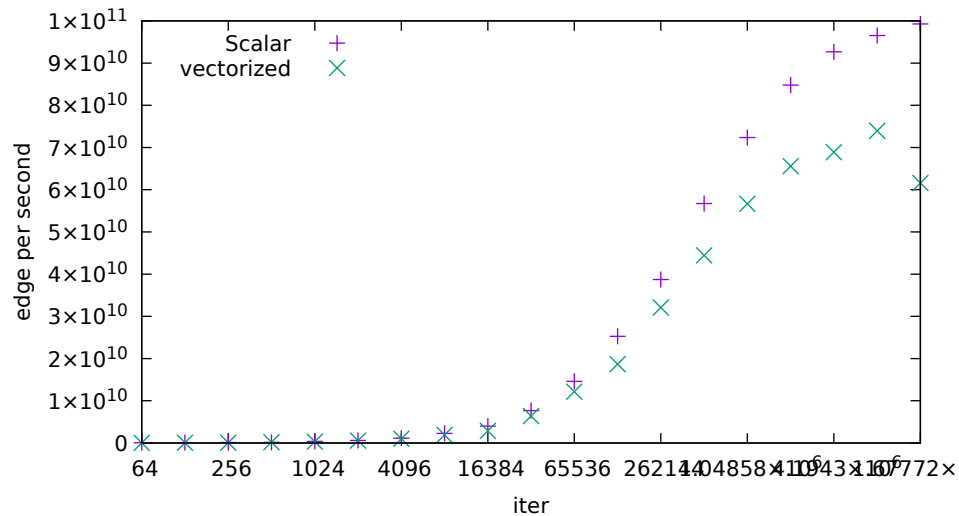
iter = 16777216



degree = 16



degree = 32



degree = 64

$1.2 \times 10^{11}$

Scalar  
vectorized

+

x

$1 \times 10^{11}$

$8 \times 10^{10}$

$6 \times 10^{10}$

$4 \times 10^{10}$

$2 \times 10^{10}$

0

64

256

1024

4096

16384

65536

262144

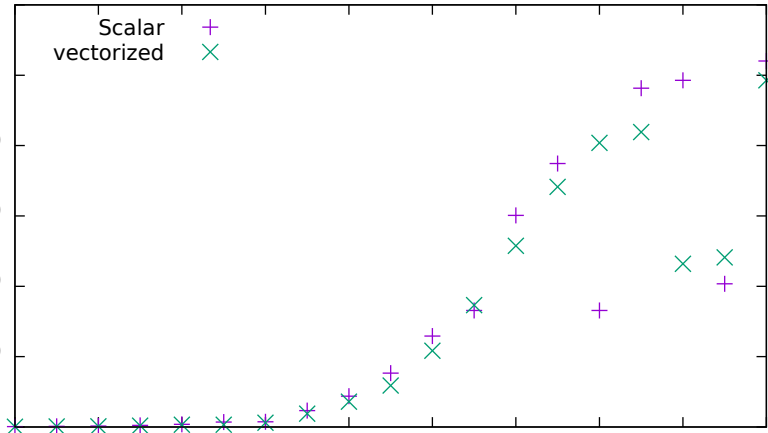
1048576

4194304

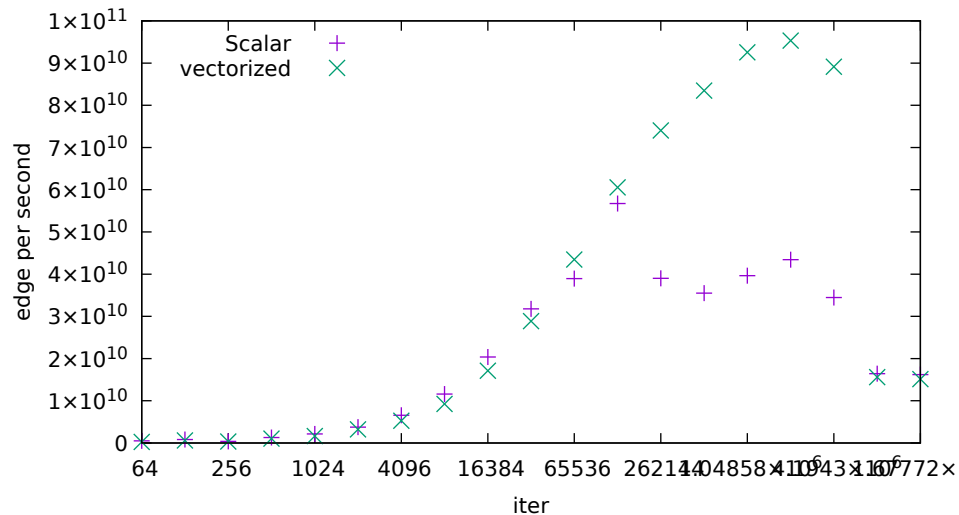
16772160

iter

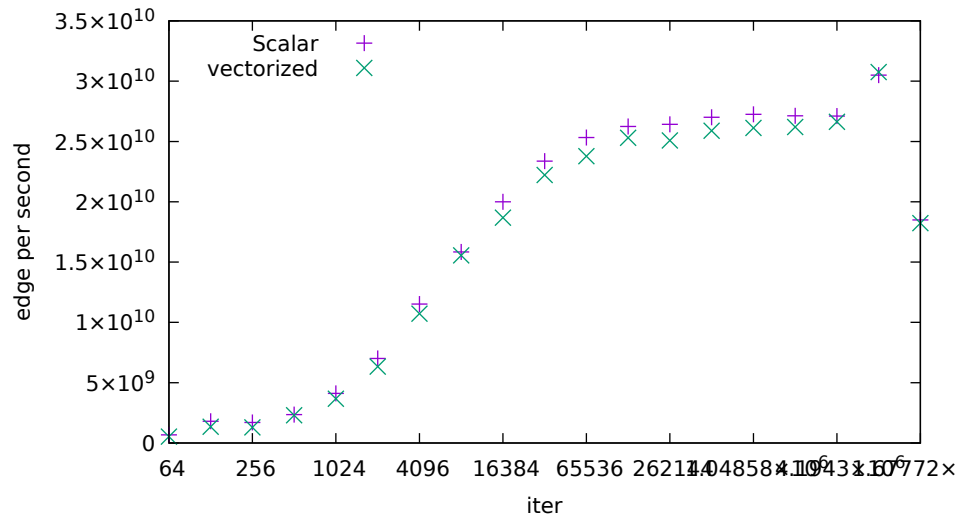
edge per second



degree = 128

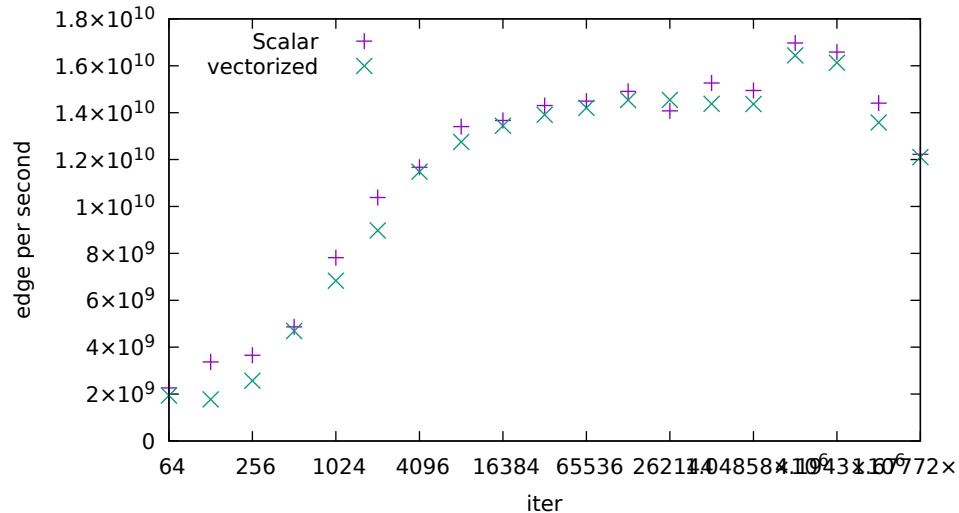


degree = 256





degree = 512



degree = 1024

Scalar  
vectorized

edge per second

$1.6 \times 10^{10}$

$1.4 \times 10^{10}$

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

64

256

1024

4096

16384

65536

262144

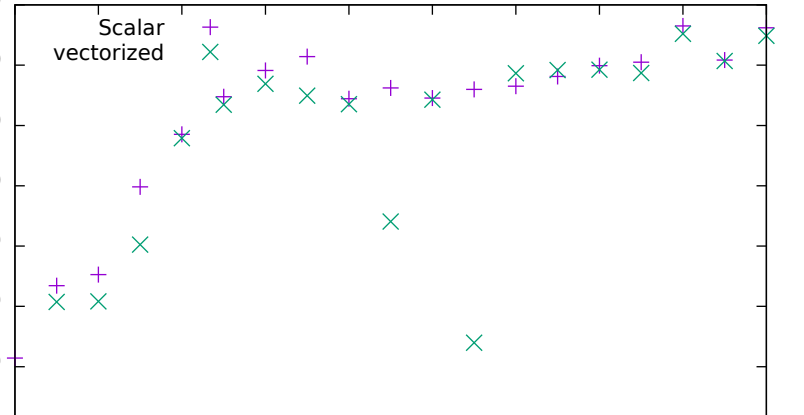
1048576

4194304

16772160

iter

64 256 1024 4096 16384 65536 262144 1048576 4194304 16772160



degree = 2048

Scalar  
vectorized

edge per second

$1.5 \times 10^{10}$

$1.4 \times 10^{10}$

$1.3 \times 10^{10}$

$1.2 \times 10^{10}$

$1.1 \times 10^{10}$

$1 \times 10^{10}$

$9 \times 10^9$

$8 \times 10^9$

$7 \times 10^9$

$6 \times 10^9$

$5 \times 10^9$

64

256

1024

4096

16384

65536

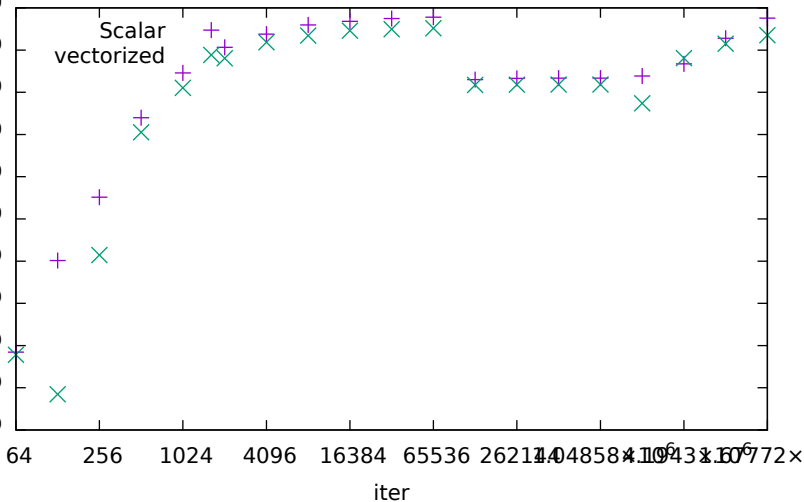
262144

1048576

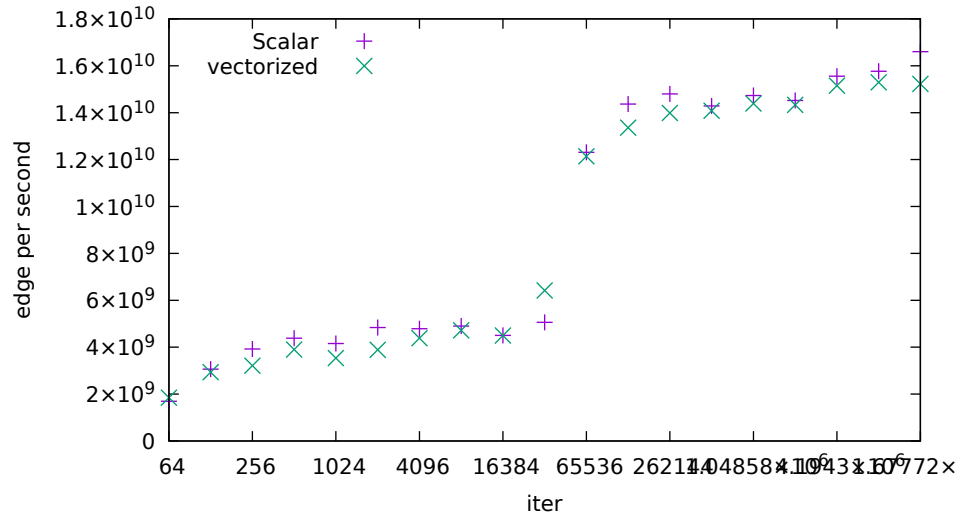
4194304

16772160

iter



degree = 4096



degree = 8192

Scalar  
vectorized

edge per second

$1.8 \times 10^{10}$

$1.7 \times 10^{10}$

$1.6 \times 10^{10}$

$1.5 \times 10^{10}$

$1.4 \times 10^{10}$

$1.3 \times 10^{10}$

$1.2 \times 10^{10}$

$1.1 \times 10^{10}$

$1 \times 10^{10}$

$9 \times 10^9$

$8 \times 10^9$

64

256

1024

4096

16384

65536

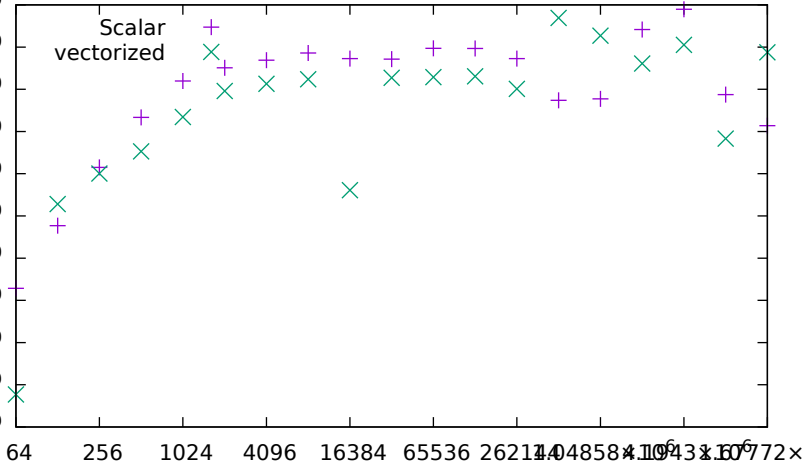
262144

1048576

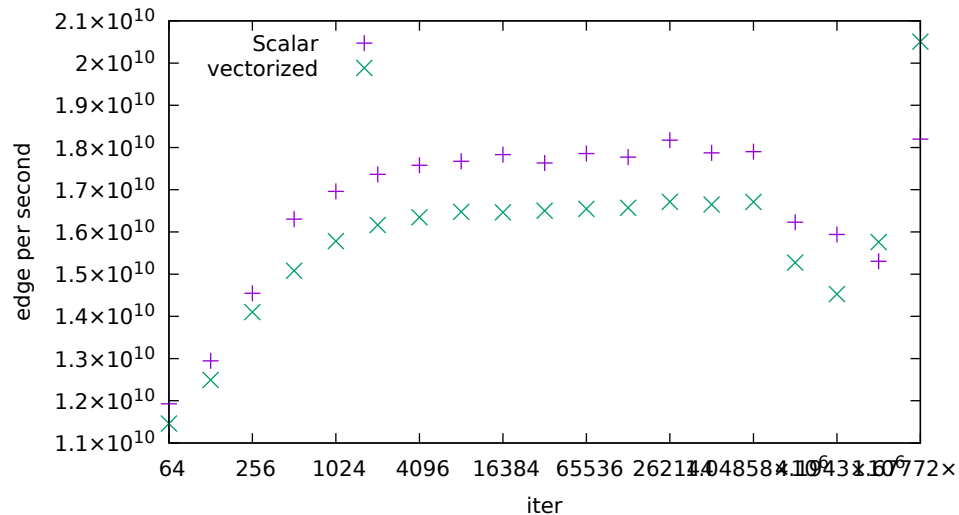
4194304

16772160

iter



degree = 16384



degree = 32768

Scalar  
vectorized

edge per second

$2.8 \times 10^{10}$

$2.6 \times 10^{10}$

$2.4 \times 10^{10}$

$2.2 \times 10^{10}$

$2 \times 10^{10}$

$1.8 \times 10^{10}$

$1.6 \times 10^{10}$

$1.4 \times 10^{10}$

64

256

1024

4096

16384

65536

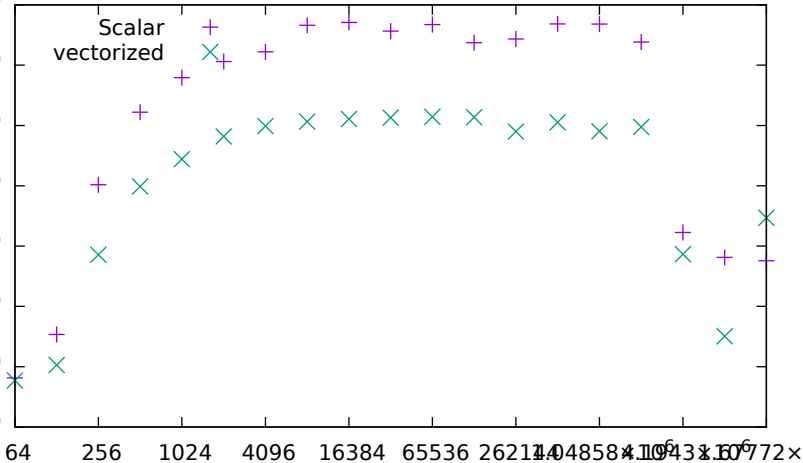
262144

1048576

4194304

16772160

iter



degree = 65536

