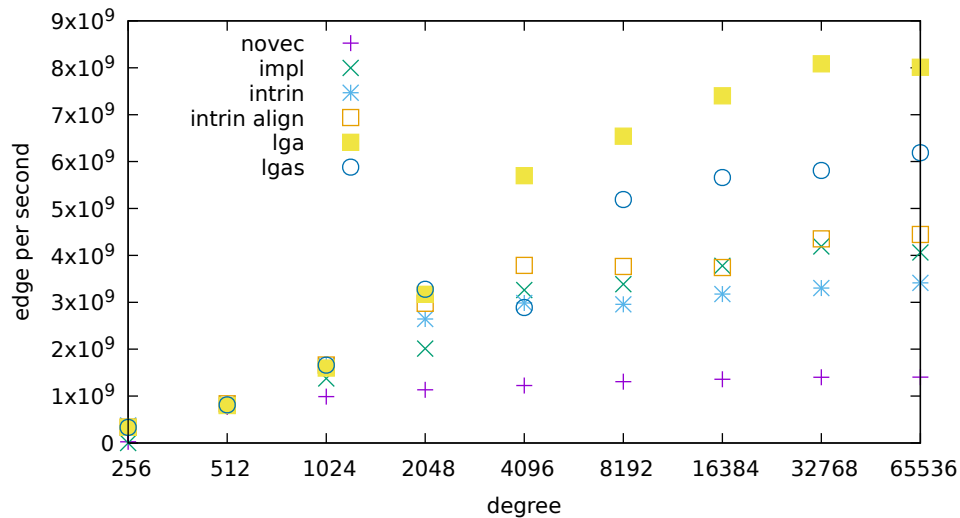
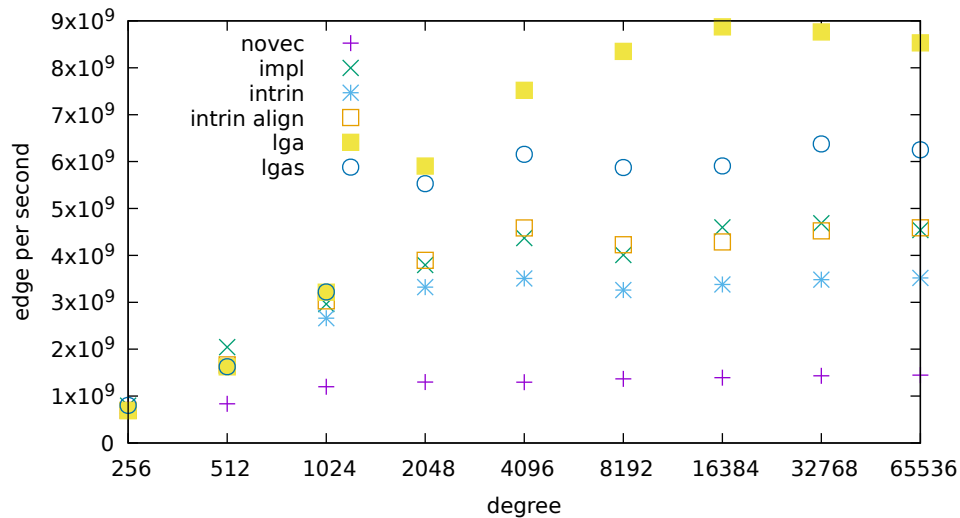


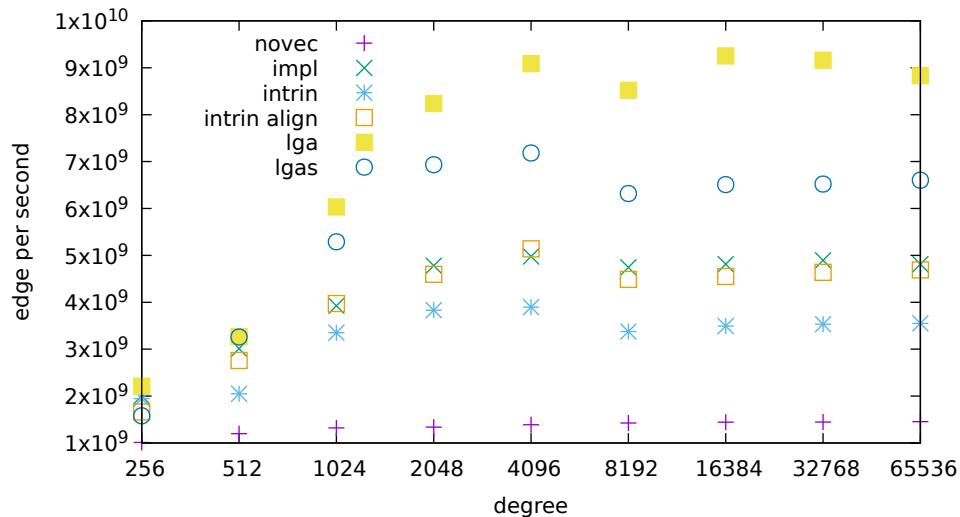
iter = 64



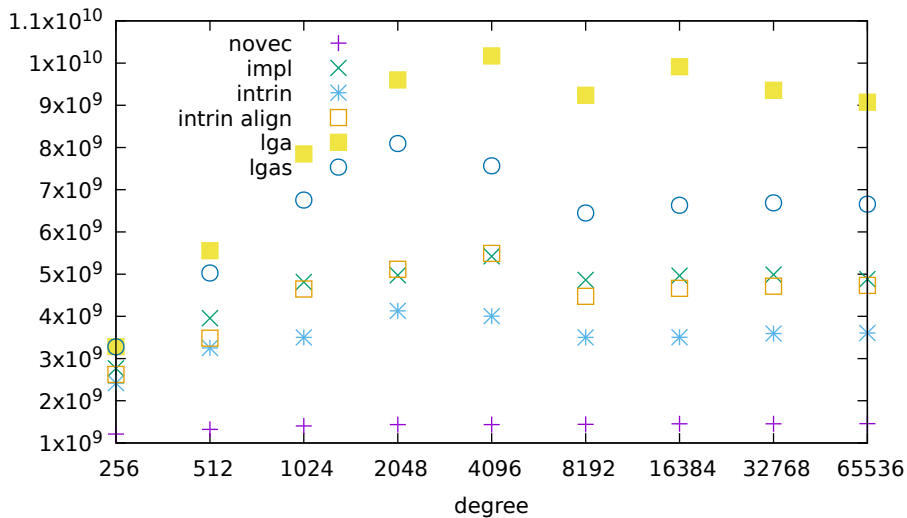
iter = 128



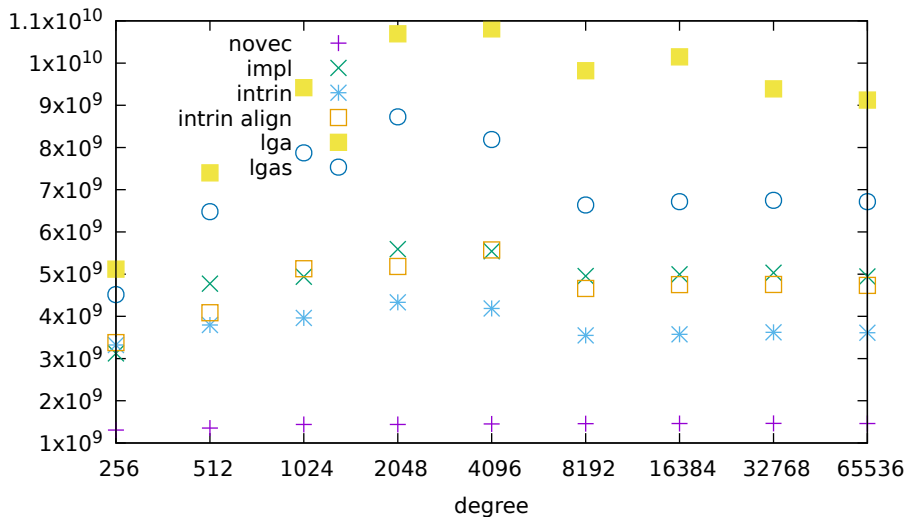
iter = 256



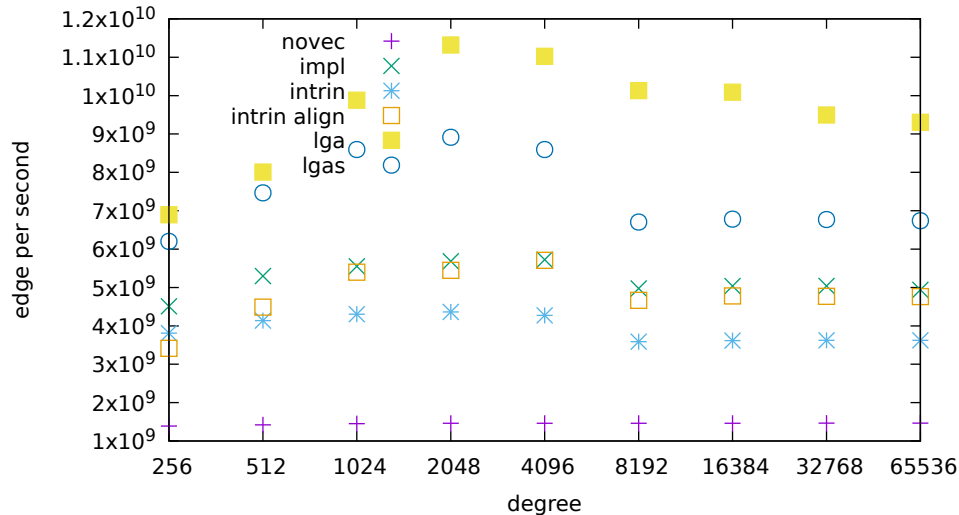
iter = 512



iter = 1024



iter = 2048



iter = 4096

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

x

\*

□

■

○

256

512

1024

2048

4096

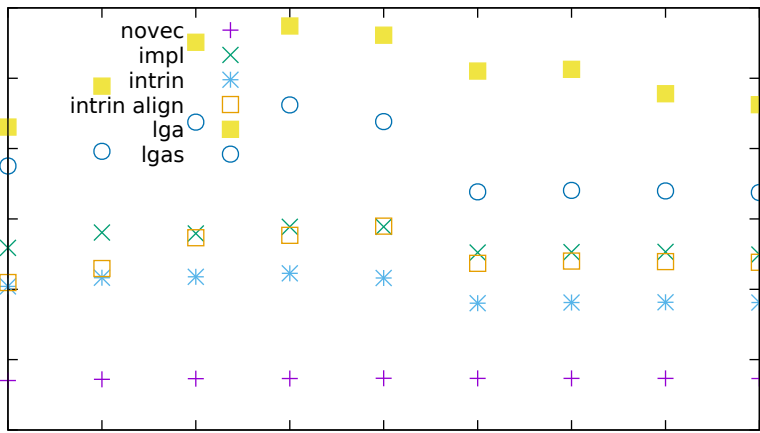
8192

16384

32768

65536

degree



iter = 8192

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

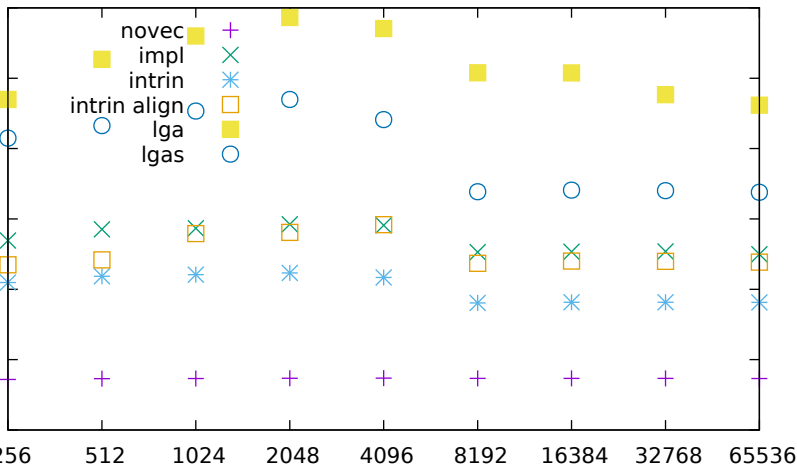
32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+  
x  
\*  
□  
■  
○





iter = 16384

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

novec  
impl  
intrin  
intrin align  
lga  
lgas

256

512

1024

2048

4096

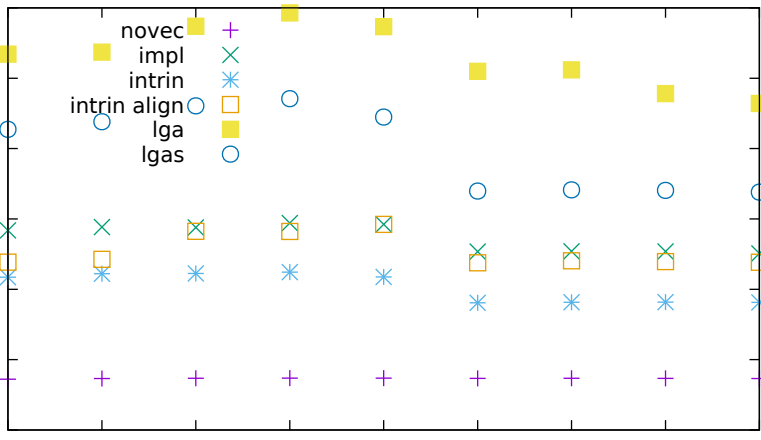
8192

16384

32768

65536

degree



iter = 32768

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

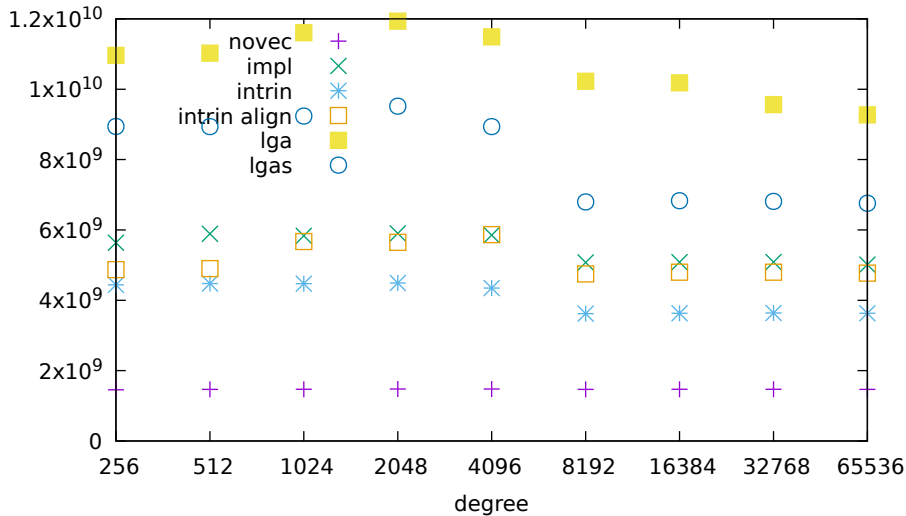
65536

degree

edge per second

novec  
impl  
intrin  
intrin align  
lga  
lgas

+  
x  
\*  
□  
■  
○



iter = 65536

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

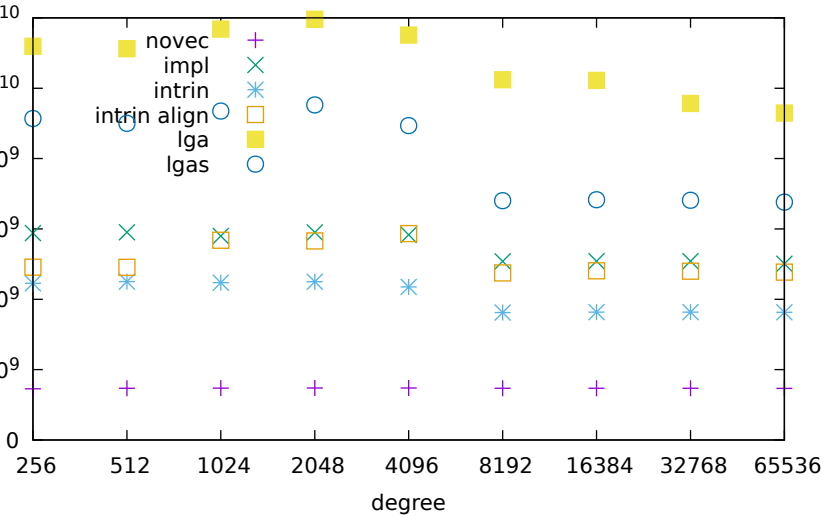
x

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□

■

○



iter = 131072

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

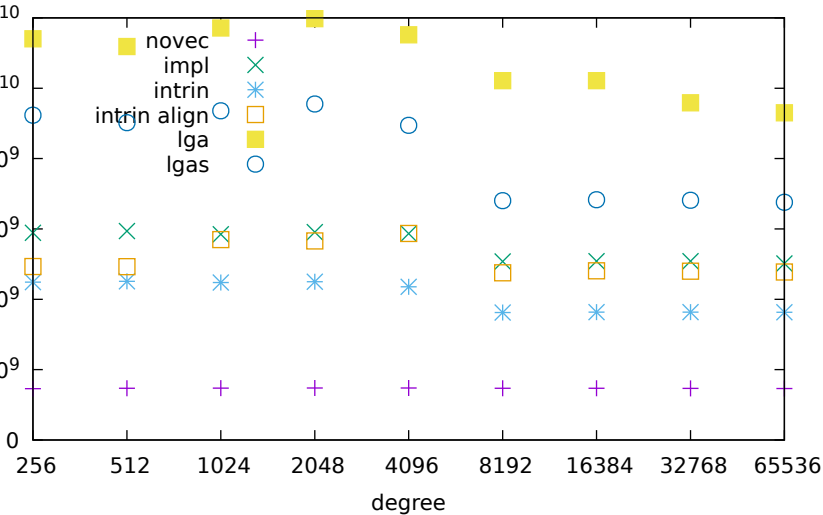
x

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□

■

○



iter = 262144

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

x

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\*

\*

\*

iter = 524288

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

x

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\*

\*

iter = 1048576

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

x

\*

□

■

○

256

512

1024

2048

4096

8192

16384

32768

65536

degree

iter = 2097152

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

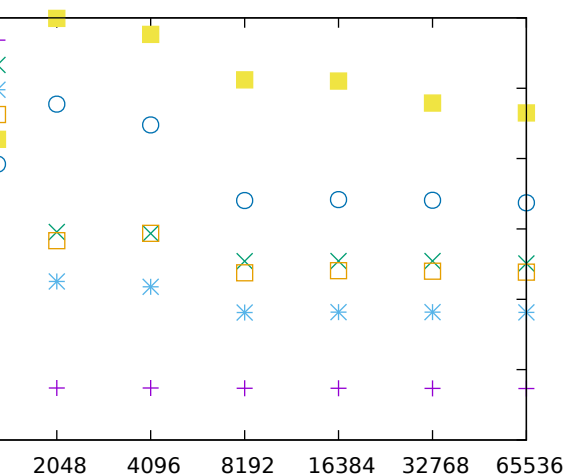
novec  
impl  
intrin  
intrin align  
lga  
lgas

+

x

\*

□





iter = 4194304

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

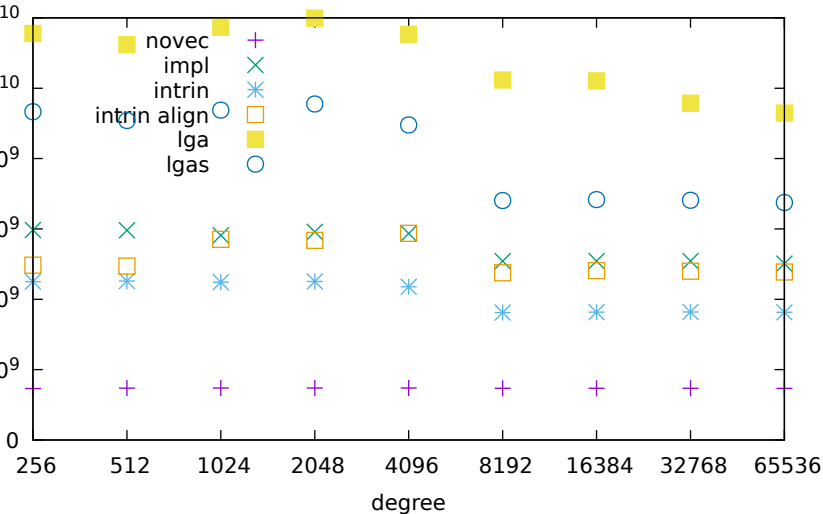
x

\*

□

■

○



iter = 8388608

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

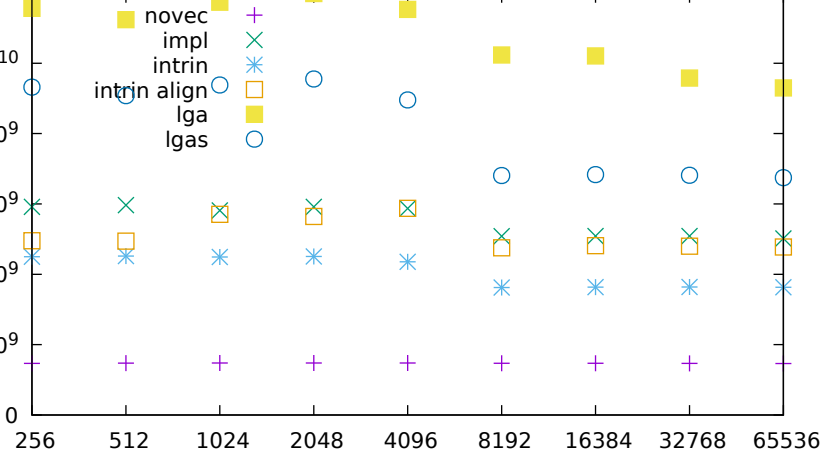
x

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□

■

○



iter = 16777216

edge per second

$1.2 \times 10^{10}$

$1 \times 10^{10}$

$8 \times 10^9$

$6 \times 10^9$

$4 \times 10^9$

$2 \times 10^9$

0

256

512

1024

2048

4096

8192

16384

32768

65536

degree

novec  
impl  
intrin  
intrin align  
lga  
lgas

+

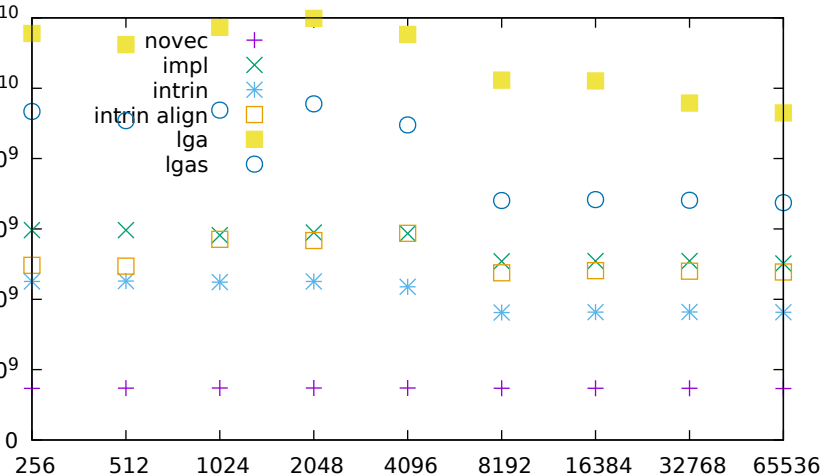
x

\*

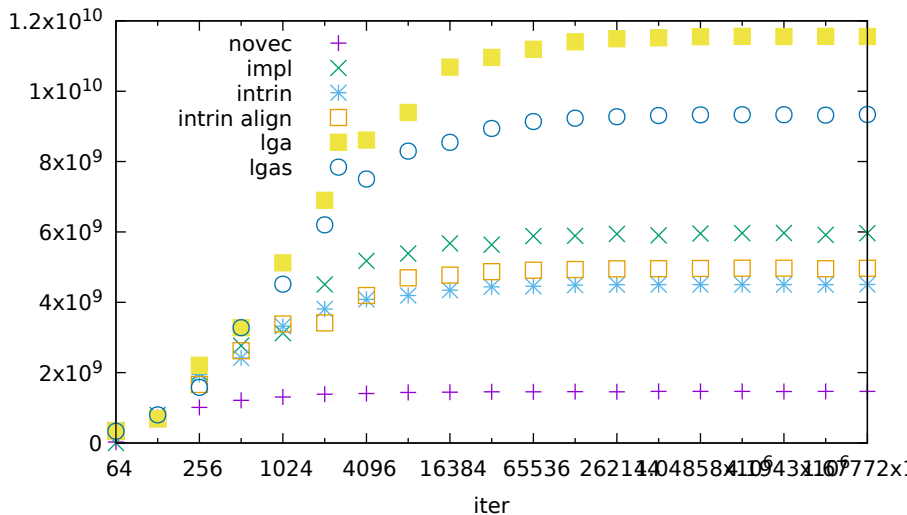
□

■

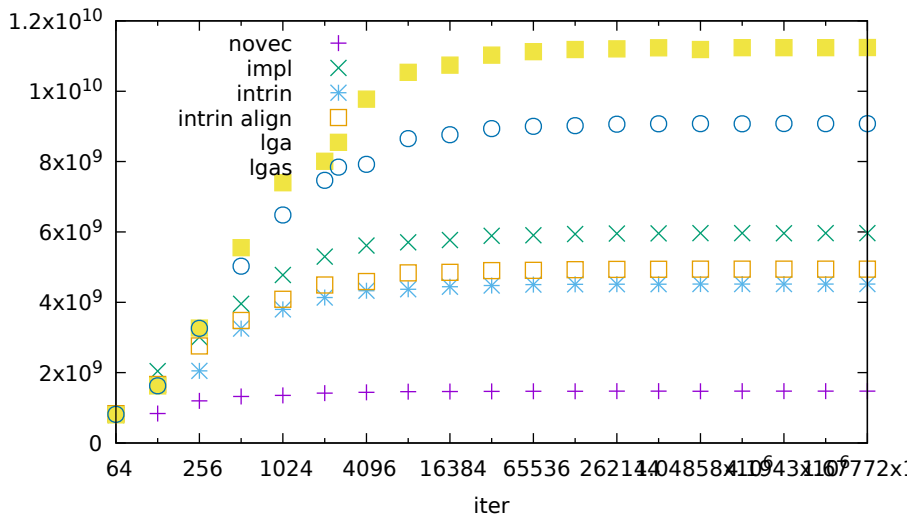
○



degree = 256

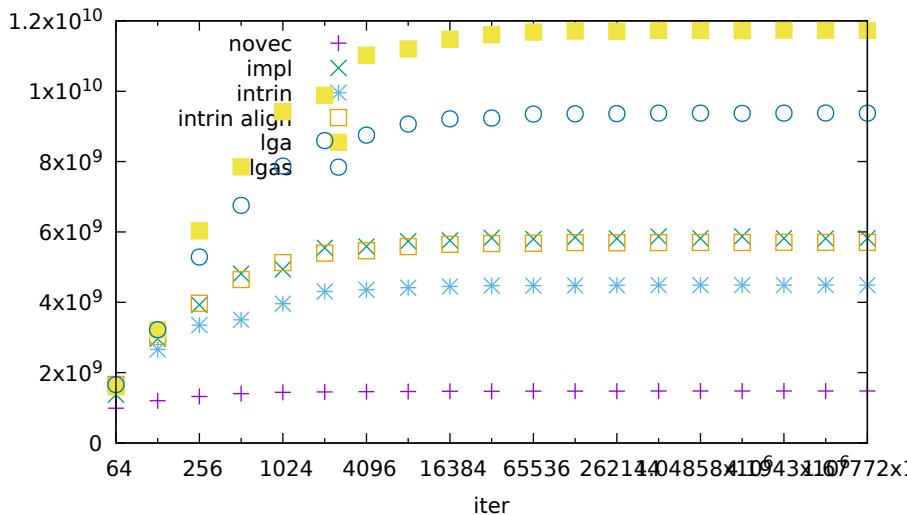


degree = 512



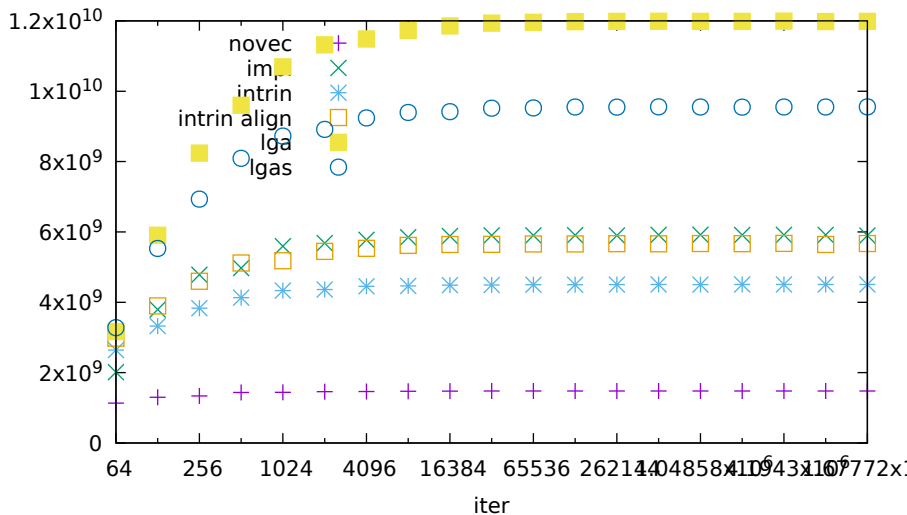
degree = 1024

edge per second

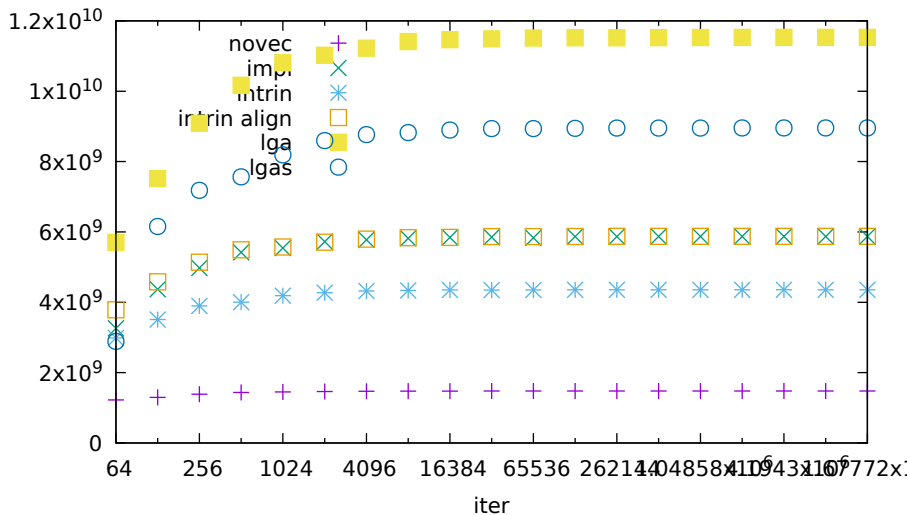


degree = 2048

edge per second

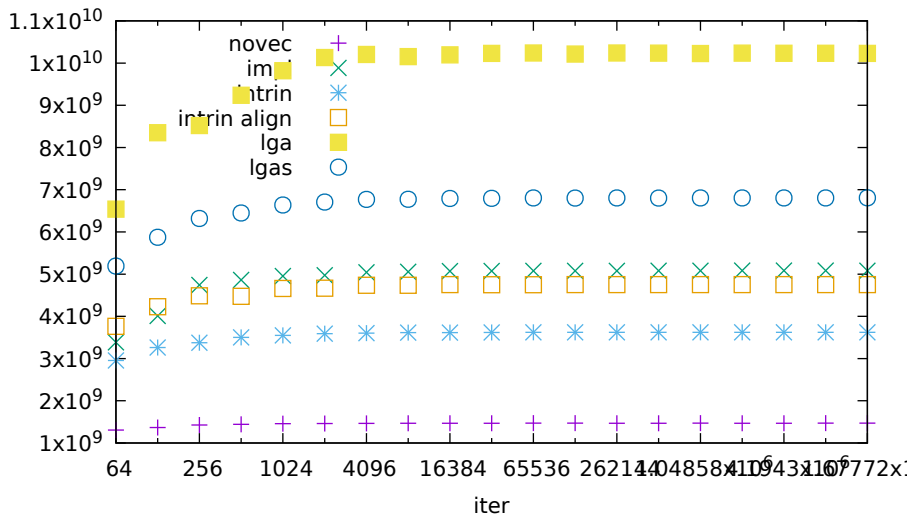


degree = 4096

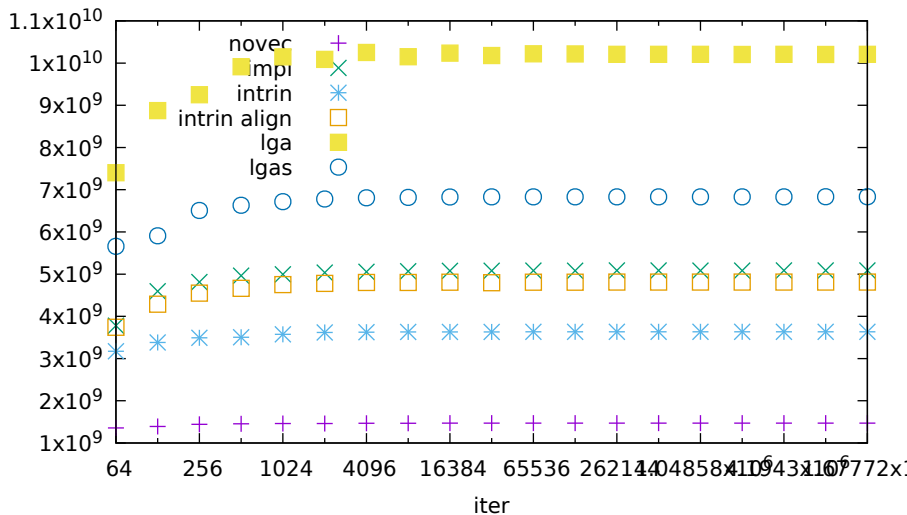




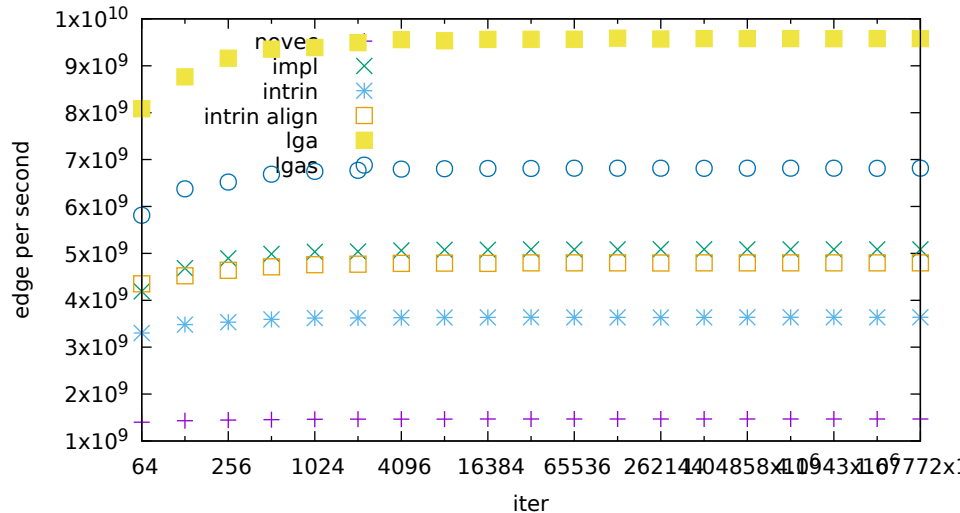
degree = 8192



degree = 16384



degree = 32768



degree = 65536

