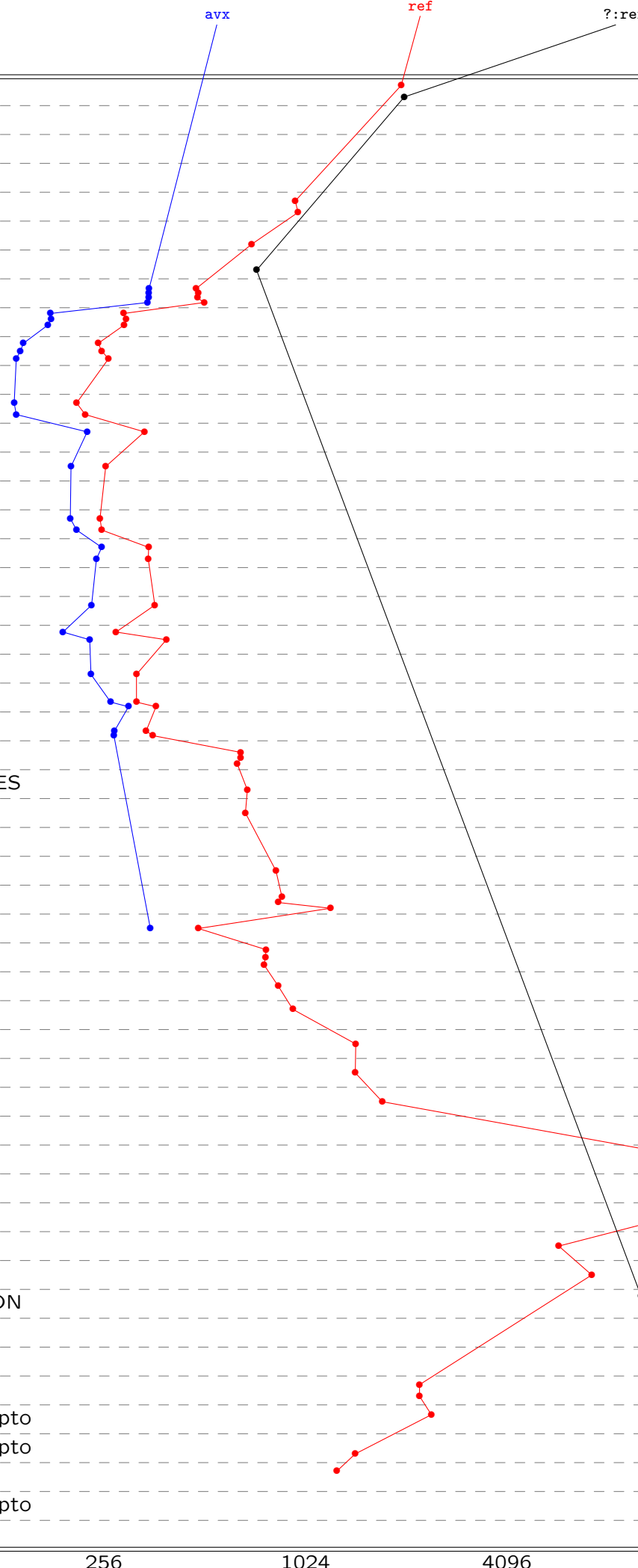


crypto\_core  
scale3sntrup653  
implementations

- amd64 Bobcat
- amd64 K8
- amd64 K10 65nm
- amd64 K10 45nm
- amd64 K10 32nm
- amd64 Bulldozer
- amd64 Piledriver
- amd64 Zen
- amd64 Zen 2
- amd64 Zen 3
- amd64 Knights Landing
- amd64 Golden Cove
- amd64 Cascade Lake
- amd64 Tiger Lake
- amd64 Skylake+512x2
- amd64 Ice Lake
- amd64 Comet Lake
- amd64 Cannon Lake
- amd64 Coffee Lake
- amd64 Kaby Lake
- amd64 Skylake
- amd64 Broadwell+AES
- amd64 Haswell+AES
- amd64 Ivy Bridge+AES
- amd64 Sandy Bridge+AES
- amd64 Sandy Bridge
- amd64 Westmere
- amd64 Core 2 45nm
- amd64 Core 2 65nm
- amd64 Gracemont
- amd64 Tremont
- amd64 Goldmont Plus
- amd64 Goldmont
- amd64 Airmont
- amd64 Silvermont
- amd64 Bonnell
- ppc32 G3
- riscv64 U54
- mips32 Oocteon II
- armeabi Armada
- armeabi Cortex-A7
- armeabi Cortex-A8
- armeabi Cortex-A9+NEON
- armeabi Cortex-A15
- aarch64 X-Gene
- aarch64 Cortex-A53
- aarch64 Cortex-A53+crypto
- aarch64 Cortex-A57+crypto
- aarch64 Cortex-A72
- aarch64 Cortex-A72+crypto
- aarch64 ThunderX2



<https://bench.cr.yp.to>  
20230702

bhbobcat: 2 x 1650MHz; 2011 AMD G-T56n; amd64; Bobcat (500F10); supercp-20230630
m4e50: 2 x 1650MHz; 2011 AMD E-450; amd64; Bobcat (500F20); supercp-20202618
naa: 2 x 2000MHz; 2006 AMD Athlon 64 X2; amd64; K8 (40f2); supercp-20171015
gcc16: 8 x 2194MHz; 2008 AMD Opteron 8354; amd64; K10 65nm (100F23); supercp-20171218
hydras: 6 x 3300MHz; 2010 AMD Phenom II X6 1100T; amd64; K10 45nm (100fA); supercp-20171218
sonnigstar: 4 x 3200MHz; 2009 AMD Phenom II X4 955; amd64; K10 45nm (100fA2); supercp-20170904
hdmaa: 1 x 1700MHz; 2010 AMD Athlon II Neo K125; amd64; K10 45nm (100fB3); supercp-20171015
hydrat: 4 x 2500MHz; 2011 AMD A6-3650; amd64; K10 32nm (300F10); supercp-20230630
hydras: 4 x 2900MHz; 2011 AMD A8-3850; amd64; K10 32nm (300F10); supercp-20230630
bobcat: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercp-20171218
calista: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercp-20171218
hydrat: 4 x 3100MHz; 2011 AMD FX-8120; amd64; Bulldozer (600F12); supercp-20171218
sauer210: 4 x 4000MHz; 2012 AMD FX-8350; amd64; Bulldozer (600F20); supercp-20230630
hydras: 2 x 3800MHz; 2012 AMD A10-5800K; amd64; Piledriver (610F01); supercp-20171218
fpriority: 2 x 2000MHz; 2012 AMD A10-6650M; amd64; Piledriver (610F01); supercp-20200618
ryzen: 8 x 3300MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercp-20170655
ryzen: 8 x 3300MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercp-20230630
ryzen: 8 x 3300MHz; 2017 AMD Ryzen 7 1700; amd64; Zen (800H11); supercp-20211122
ryzen: 4 x 3100MHz; 2017 AMD Ryzen 5 1600; amd64; Zen (800H11); supercp-20211122
dali: 2 x 1600MHz; 2019 AMD Ryzen 3 3300; amd64; Zen 2 (830F10); supercp-20191017
ryzen: 64 x 2250MHz; 2019 AMD EPYC 7742; amd64; Zen 2 (830F10); supercp-20230630
ryzen: 6 x 3000MHz; 2022 AMD Ryzen 5 4500U; amd64; Zen 2 (860F01); supercp-20230630
lacienne: 4 x 2600MHz; 2021 AMD Ryzen 9 5950X; amd64; Zen 3 (C20F10); supercp-20230630
gnj1346: 64 x 2000MHz; 2019 AMD EPYC 7702; amd64; Zen 2 (830F10); supercp-20191017
ryzen: 6 x 4026MHz; 2021 AMD Ryzen 5 5600G; amd64; Zen 3 (A50F00); supercp-20211122
ryzen: 16 x 3400MHz; 2020 AMD Ryzen 9 5950X; amd64; Zen 3 (C20F10); supercp-20230630
cezama: 6 x 3900MHz; 2021 AMD Ryzen 5 PRO 5650G; amd64; Zen 3 (A50F00); supercp-20230630
gnj1291: 68 x 1400MHz; 2016 Intel Xeon Phi 7250; amd64; Knights Landing (506F71); supercp-20180818
gnj1154: 64 x 1300MHz; 2016 Intel Xeon Phi 7210; amd64; Knights Landing (506F71); supercp-20170228
alder: 4 x 3300MHz; 2022 Intel Core i3-12100; amd64; Golden Cove (906F3-00); supercp-20230630
alder2.1f2e2960.5600000: 2 x 1600MHz; 2022 Intel Core i3-1215U performance cores; amd64; Golden Cove (906A4-40); supercp-20230630
avx512iaah: 18 x 3000MHz; 2019 Intel Core i9-10980K; amd64; Cascade Lake (506F7); supercp-20201126
jpm0d076: 20 x 2500MHz; 2019 Intel Xeon Gold 6248; amd64; Cascade Lake (506F7); supercp-20191017
panther: 4 x 2800MHz; 2020 Intel Core i7-1165G7; amd64; Tiger Lake (806c1); supercp-20230630
gnj11024: 18 x 2700MHz; 2017 Intel Xeon Gold 6150; amd64; Skylake-11702 (806A1); supercp-20170804
gnj11024: 18 x 2700MHz; 2017 Intel Core i7-8750; amd64; Skylake-11702 (806A1); supercp-20181122
gnj11024: 18 x 2700MHz; 2017 Intel Core i7-8750; amd64; Skylake-11702 (806A1); supercp-20221122
gnj11024: 18 x 2700MHz; 2017 Intel Core i7-8750; amd64; Skylake-11702 (806A1); supercp-20191017
gnj11024: 18 x 2700MHz; 2017 Intel Core i7-8750; amd64; Skylake-11702 (806A1); supercp-20230630
icelake2: 4 x 1000MHz; 2019 Intel Core i3-1035G1; amd64; Ice Lake (706e5); supercp-20221005
icelake: 4 x 1100MHz; 2020 Intel Core i5-1030NG7; amd64; Ice Lake (706e5); supercp-20200626
cabrio: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercp-20230630
cowat: 2 x 2100MHz; 2019 Intel Core i3-10110U; amd64; Comet Lake (806ec); supercp-20230630
cannon: 2 x 2200MHz; 2018 Intel Core i3-8121U; amd64; Cannon Lake (80663); supercp-20190910
n3000: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; Coffee Lake (906a); supercp-20230630
nv3000: 4 x 3300MHz; 2018 Intel Xeon E-2124; amd64; Coffee Lake (906a); supercp-20230630
nlvisia: 6 x 3200MHz; 2017 Intel Core i7-8700; amd64; Coffee Lake (906a); supercp-20190910
kizama: 4 x 3000MHz; 2017 Intel Xeon E3-1220 v6; amd64; Kaby Lake (906e9); supercp-20230630
shouraha: 2 x 2400MHz; 2017 Intel Core i3-7100; amd64; Kaby Lake (906e9); supercp-2021122
instalaucl: 4 x 3100MHz; 2018 Intel Core i7-8080G; amd64; Kaby Lake (906e9); supercp-20191017
naaa: 2 x 3300MHz; 2015 Intel Pentium G4400; amd64; Skylake (506c3); supercp-20171218
naaa: 4 x 3000MHz; 2015 Intel Xeon E3-1220 v5; amd64; Skylake (506c3); supercp-20230630
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20180818
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20191017
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20230630
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20211122
bolsh: 18 x 1700MHz; 2015 Intel Core i3-5005A1; amd64; Broadwell-AES (506d4); supercp-20230630
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20191017
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20230630
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20211122
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20230630
gnj11451: 28 x 2400MHz; 2016 Intel Xeon E5-2650 v4; amd64; Broadwell-AES (406f); supercp-20211122
naanyv13: 12 x 2700MHz; 2013 Intel Xeon E5-2697 v2; amd64; Ivy Bridge+AES (306e4); supercp-20180818
naanyv1: 2 x 1800MHz; 2012 Intel Core i5-3427U; amd64; Ivy Bridge+AES (306e9); supercp-20230630
hydras: 4 x 3500MHz; 2012 Intel Xeon E3-1275 V2; amd64; Ivy Bridge+AES (306e9); supercp-20230630
bedera: 4 x 2500MHz; 2012 Intel Xeon E3-1265L V2; amd64; Ivy Bridge+AES (306e9); supercp-20210326
robia281: 8 x 2600MHz; 2012 Intel Xeon E5-4650L; amd64; Sandy Bridge+AES (206d7); supercp-20170228
hydras7: 4 x 3100MHz; 2011 Intel Xeon E3-1225; amd64; Sandy Bridge+AES (206a7); supercp-20230630
hsandy: 2 x 2100MHz; 2011 Intel Core i3-2310M; amd64; Sandy Bridge (206a7); supercp-20221122
glysa: 2 x 3200MHz; 2010 Intel Core i5-650; amd64; Westmere (20652); supercp-20171015
volfdale: 2 x 3060MHz; 2009 Intel Core 2 Duo E7600; amd64; Core 2 45nm (1067a); supercp-20230630
katana: 2 x 2137MHz; 2006 Intel Core 2 Duo E6400; amd64; Core 2 65nm (6f6); supercp-20171015
trsdant: 2 x 2000MHz; 2007 Intel Core 2 Duo T7300; amd64; Core 2 65nm (6f6); supercp-20230630
naagrad: 4 x 2404MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (6f6); supercp-20230630
latur: 4 x 2394MHz; 2007 Intel Core 2 Quad Q6600; amd64; Core 2 65nm (6f6); supercp-20211013
alder2.1f2e2960.3300000: 4 x 1600MHz; 2022 Intel Core i3-1215U efficiency cores; amd64; Gracemont (906A4-20); supercp-20230630
jasper2: 2 x 1100MHz; 2021 Intel Celeron N4500; amd64; Tremont (906c0); supercp-20230630
jasper3: 4 x 2000MHz; 2021 Intel Celeron N5105; amd64; Tremont (906c0); supercp-20230630
jasper: 4 x 1100MHz; 2021 Intel Pentium Silver N6000; amd64; Tremont (906c0); supercp-20230630
gemini: 2 x 1100MHz; 2019 Intel Celeron N4020; amd64; Goldmont Plus (706a8); supercp-20230630
wooden: 4 x 1500MHz; 2016 Intel Celeron J3455; amd64; Goldmont (506c9); supercp-20230630
sovlm3t: 16 x 2100MHz; 2017 Intel Atom C3955; amd64; Goldmont (506f1); supercp-20191017
mnccc: 4 x 1600MHz; 2015 Intel Pentium N3700; amd64; Airmont (406c3); supercp-20230630
cherry: 4 x 1440MHz; 2016 Intel Atom i5-2B350; amd64; Silvermont (406c4); supercp-20230630
hbaton: 2 x 1866MHz; 2011 Intel Atom D2500; amd64; Bonnell (306f1); supercp-20230630
alntandollilaung: 1 x 729MHz; 2006 IBM PowerPC Broadway; ppc32; G3 (G3); supercp-20191221
hlfveunleashedrice: 4 x 1400MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc); supercp-20191221
riscvleashad000: 4 x 1000MHz; 2017 SiFive Freedom U540; riscv64; U54 (sifive,u54-mc); supercp-20210326
gcc23: 2 x 2000MHz; 2011 Cavium Octeon II CN6120; mips32; Octeon II (cnnips64v2); supercp-20230630
mlffz: 2 x 2000MHz; 2011 Cavium Octeon II CN6120; mips32; Octeon II (cnnips64v2); supercp-20220213
tesida: 1 x 1200MHz; 2010 Marvell Armada 310; armeabi; Armada (562f311); supercp-20170718
berry2: 4 x 900MHz; 2016 Broadcom BCM2836; armeabi; Cortex-A7 (410f075); supercp-20230630
black: 1 x 1000MHz; 2012 TI Sitara XAM3359AZCZ100; armeabi; Cortex-A8 (413fc082); supercp-20230630
noveabluo: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412f09a); supercp-20200702
artix: 4 x 1200MHz; 2012 Samsung Exynos 44127; armeabi; Cortex-A9+NEON (413f090); supercp-20191221
noveaaas: 4 x 1200MHz; 2011 Freescale i.MX6 Quad; armeabi; Cortex-A9+NEON (412f09a); supercp-20191221
jetsonrt1: 4 x 1000MHz; 2018 NVIDIA Jetson TX2; aarch64; Cortex-A58+crypto (410f0e4); supercp-20170424
jetsonrt2: 4 x 1000MHz; 2018 NVIDIA Jetson TX2; aarch64; Cortex-A58+crypto (410f0e4); supercp-20170424
leuf: 4 x 1000MHz; 2018 NVIDIA Jetson TX2; aarch64; Cortex-A58+crypto (410f0e4); supercp-20170424
leuf: 4 x 1000MHz; 2018 NVIDIA Jetson TX2; aarch64; Cortex-A58+crypto (410f0e4); supercp-20191221
leuf: 4 x 1000MHz; 2018 NVIDIA Jetson TX2; aarch64; Cortex-A58+crypto (410f0e4); supercp-20170424
leuf: 4 x 1000MHz; 2018 NVIDIA Jetson TX2; aarch64; Cortex-A58+crypto (410f0e4); supercp-20191221
reagaed: 4 x 1000MHz; 2018 NVIDIA Jetson TX2; aarch64; Cortex-A58+crypto (410f0e4); supercp-20170424
jetsonrt1: 4 x 1734MHz; 2015 NVIDIA Tegra X1; aarch64; Cortex-A57+crypto (418f071); supercp-20191017
varbear: 8 x 2000MHz; 2016 AMD Opteron A1100; aarch64; Cortex-A57+crypto (411f072); supercp-20200626
pi4b: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercp-20221122
rp1oibusu64: 4 x 1500MHz; 2019 Broadcom BCM2711; aarch64; Cortex-A72 (410f083); supercp-20191221
a7: 2 x 2100MHz; 2015 Mediatek MT8173; aarch64; Cortex-A72+crypto (418f080); supercp-20190904
jpm04145: 64 x 2500MHz; 2018 Cavium ThunderX2 CN9980; aarch64; ThunderX2 (431f0af1); supercp-20191017

Time

256 1024 4096 16384