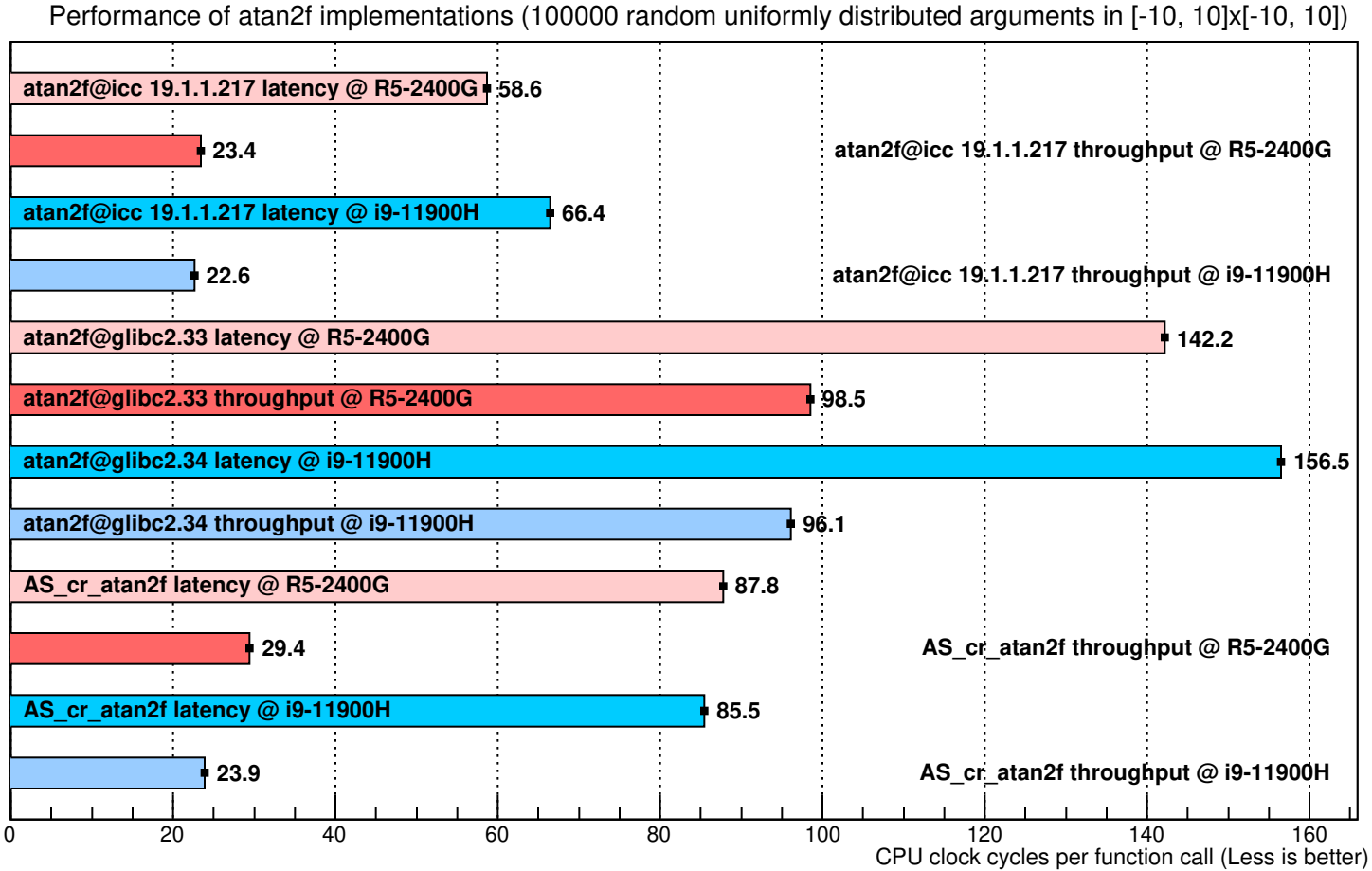
Performance of atan2f implementations (100000 random uniformly distributed arguments in [-10, 10]x[-10, 10])
atan2f@icc 19.1.1.217 latency @ R5-2400G
58.6
23.4
atan2f@icc 19.1.1.217 throughput @ R5-2400G
atan2f@icc 19.1.1.217 latency @ i9-11900H
66.4
22.6
atan2f@icc 19.1.1.217 throughput @ i9-11900H
atan2f@glibc2.33 latency @ R5-2400G
142.2
atan2f@glibc2.33 throughput @ R5-2400G
98.5
atan2f@glibc2.34 latency @ i9-11900H
156.5
atan2f@glibc2.34 throughput @ i9-11900H
96.1
AS_cr_atan2f latency @ R5-2400G
87.8
29.4
AS_cr_atan2f throughput @ R5-2400G
AS_cr_atan2f latency @ i9-11900H
85.5
23.9
AS_cr_atan2f throughput @ i9-11900H
0
20
40
60
80
100
120
140
160
CPU clock cycles per function call (Less is better)