

CPU Core	Cortex A72		Neoverse N1		Neoverse V1		Apple M1	
Frequency (hypothetical)	1.80 GHz		3.00 GHz		2.60 GHz		3.20 GHz	
Mean inst time (ns), inst/cycle	ns	in/cy	ns	in/cy	ns	in/cy	ns	in/cy
NOP	0.557	0.997	0.094	3.546	0.034	11.312	0.045	6.944
ADD	0.296	1.877	0.115	2.899	0.097	3.965	0.070	4.464
ADC	0.296	1.877	0.115	2.899	0.097	3.965	0.108	2.894
ADDS	0.313	1.775	0.119	2.801	0.129	2.982	0.107	2.921
ADCS	0.557	0.997	0.334	0.998	0.386	0.996	0.313	0.998
MUL	1.671	0.332	1.002	0.333	0.191	2.014	0.156	2.003
UMULH	2.228	0.249	1.336	0.250	0.191	2.014	0.156	2.003
UDIV	6.128	0.091	3.007	0.111	4.236	0.091	0.625	0.500
MUL UMULH	1.950	0.285	1.170	0.285	0.191	2.014	0.156	2.003
MUL ADCS UMULH ADCS	0.975	0.570	0.585	0.570	0.292	1.317	0.156	2.003
MUL ADCS	0.836	0.665	0.501	0.665	0.193	1.993	0.156	2.003
UMULH ADCS	1.114	0.499	0.668	0.499			0.156	2.003
MUL ADD UMULH ADD	0.975	0.570	0.585	0.570	0.121	3.179	0.104	3.005
PACIA					0.383	1.004	0.313	0.998
AUTIA					0.383	1.004	0.313	0.998
PACIA AUTIA ...					0.383	1.004	0.313	0.998
PACIA ... AUTIA ...					0.383	1.004	0.313	0.998

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Warning:
Currently extrapolated