

Dinero Cache Performance Results

	Total	Instrn	Data	Read	Write	Misc
MPC 601	1.470%	0.000%	1.470%	0.070%	1.400%	0.000%
	1.550%	0.000%	1.550%	0.170%	1.380%	0.000%
	1.610%	0.000%	1.610%	0.260%	1.350%	0.000%
	1.590%	0.000%	1.590%	0.340%	1.250%	0.000%
	1.710%	0.000%	1.710%	0.440%	1.270%	0.000%
MPC 604	1.470%	0.000%	1.470%	0.070%	1.400%	0.000%
	1.620%	0.000%	1.620%	0.150%	1.470%	0.000%
	1.630%	0.000%	1.630%	0.230%	1.400%	0.000%
	1.670%	0.000%	1.670%	0.300%	1.370%	0.000%
	1.770%	0.000%	1.770%	0.530%	1.240%	0.000%
MPC 620	1.510%	0.000%	1.510%	0.120%	1.390%	0.000%
	1.470%	0.000%	1.470%	0.080%	1.390%	0.000%
	1.550%	0.000%	1.550%	0.120%	1.430%	0.000%
	1.550%	0.000%	1.550%	0.140%	1.410%	0.000%
	1.550%	0.000%	1.550%	0.170%	1.380%	0.000%

Model 2 Cache Performance Results

	Total	Instrn	Data	Read	Write	Misc
Model 2 (604)	1.470%	0.000%	1.470%	0.070%	1.400%	0.000%
1/16th size of 604	1.700%	0.000%	1.700%	0.270%	1.430%	0.000%
To verify for	1.750%	0.000%	1.750%	0.400%	1.350%	0.000%
larger programs	1.710%	0.000%	1.710%	0.440%	1.270%	0.000%
	19.750%	0.000%	19.750%	17.010%	2.740%	0.000%

Cache Miss Rates

CPU Number - Model	Read Miss Rate	Write Miss Rate
2 - 601	0.070%	1.400%
8 - 601	0.170%	1.380%
14 - 601	0.260%	1.350%
20 - 601	0.340%	1.250%
26 - 601	0.440%	1.270%
2 - 604	0.070%	1.400%
6 - 604	0.150%	1.470%
11 - 604	0.230%	1.400%
16 - 604	0.300%	1.370%
21 - 604	0.530%	1.240%
2 - 620	0.120%	1.390%
3 - 620	0.080%	1.390%
5 - 620	0.120%	1.430%
6 - 620	0.140%	1.410%
8 - 620	0.170%	1.380%
Model 2 - 2	0.070%	1.400%
Model 2 - 6	0.270%	1.430%
Model 2 - 11	0.400%	1.350%
Model 2 - 16	0.440%	1.270%
Model 2 - 21	17.010%	2.740%

<- Not valid (Cache is too small)

Total Cache Miss Rate

	MPC 601	MPC 604	MPC 620	Model 2
2 Logical Units	1.470%	1.470%	1.510%	1.470%
3-8 Logical Units	1.550%	1.620%	1.470%	1.700%
5-14 Logical Units	1.610%	1.630%	1.550%	1.750%
6-20 Logical Units	1.590%	1.670%	1.550%	1.710%
8-26 Logical Units	1.710%	1.770%	1.550%	N/V