Workload	Correlation Coefficients	
PARSEC	L3 cache miss	0.899
	L2 cache miss	0.513
	Data TLB miss	0.375
	L1 instruction miss	0.295
	Instruction fetch stall	0.877
HPCC-COMM	L3 cache miss	0.999
	L2 cache miss	0.988
	Kernel-mode instruction	0.980
	Branch misprediction	0.495
	L1 instruction miss	0.400
HPCC-DGEMM	L3 cache miss	0.988
	L2 cache miss	0.751
	Data TLB miss	0.662
	Branch misprediction	0.611
	Instruction TLB miss	0.353
HPCC-FFT	L3 cache miss	0.997
	L2 cache miss	0.961
	Instruction TLB miss	0.828
	L1 instruction miss	0.459
	kernel-mode instruction	0.435
HPCC-HPL	L3 cache miss	0.859
	L2 cache miss	0.834
	Kernel-mode instruction	0.597
	Data TLB miss	0.589
	Instruction TLB miss	0.435
HPCC-PTRANS	L3 cache miss	0.871
	Kernel-mode instruction	0.812
	Instruction TLB miss	0.809
	Reservation buffer full store	0.734
	ReOder Buffer full stall	0.645
HPCC-Random Access	L3 cache miss	0.999
	L2 cache miss	0.999
	Data TLB miss	0.999
	L1 instruction miss	0.911
	Instruction fetch stall	0.890
HPCC-Stream	L3 cache miss	0.995
	L2 cache miss	0.978
	L1 instruction cache miss	0.873
	Data TLB miss	0.674
	Application instruction retired	0.398
SPEC INT	L2 cache miss	0.767
	Data TLB miss	0.699
	Instruction TLB miss	0.493
	Kernel-mode instruction	0.454
	L3 cache miss	0.389
SPEC CFP	Data TLB miss	0.719
	Instruction TLB miss	0.582
	Kernel-mode instruction	0.549
	L2 cache miss	0.452
	L3 cache miss	0.308