Table 5

Swim:Associativity 1

Instruction

Size	Block size(bytes)				
	16	32	64	128	256
1K	**0.0776**				
2K	**0.0698**	**0.0470**			
4K	**0.0498**	**0.0321**	**0.0239**		
8K	**0.0498**	**0.0321**	**0.0239**	**0.0168**	
16K	**0**	**0**	**0**	**0**	**0**
32K	**0**	**0**	**0**	**0**	**0**
64K	**0**	**0**	**0**	**0**	**0**
128K	**0**	**0**	**0**	**0**	**0**
256K		**0**	**0**	**0**	**0**
512K			**0**	**0**	**0**
1M				**0**	**0**

Data

Size	Block size(bytes)				
	16	32	64	128	256
1K	**0.4936**				
2K	**0.4907**	**0.4956**			
4K	**0.4892**	**0.4912**	**0.4986**		
8K	**0.4360**	**0.4504**	**0.4692**	**0.4832**	
16K	**0.3005**	**0.3382**	**0.3859**	**0.4158**	**0.4327**
32K	**0.0951**	**0.1417**	**0.2229**	**0.2751**	**0.3026**
64K	**0.0888**	**0.0470**	**0.0794**	**0.1019**	**0.1141**
128K	**0.0828**	**0.0438**	**0.0244**	**0.0149**	**0.0108**
256K		**0.0436**	**0.0241**	**0.0146**	**0.0100**
512K			**0.0241**	**0.0144**	**0.0097**
1M				**0.0143**	**0.0095**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
1K	**0.1889**				
2K	**0.1616**	**0.1494**			
4K	**0.1428**	**0.1335**	**0.1319**		
8K	**0.1309**	**0.1226**	**0.1229**	**0.1201**	
16K	**0.0456**	**0.0538**	**0.0619**	**0.0679**	**0.0868**
32K	**0.0195**	**0.0219**	**0.0339**	**0.0425**	**0.0475**
64K	**0.0178**	**0.0115**	**0.0163**	**0.0198**	**0.0219**
128K	**0.0166**	**0.0107**	**0.0077**	**0.0064**	**0.0059**
256K		**0.0104**	**0.0075**	**0.0061**	**0.0055**
512K			**0.0074**	**0.0059**	**0.0052**
1M				**0.0058**	**0.0051**

Swim:Associativity 2

Instruction

Size	Block size(bytes)				
	16	32	64	128	256
2K	**0.0174**				
4K	**0.0173**	**0.0124**			
8K	**0**	**0**	**0**		
16K	**0**	**0**	**0.**	**0**	
32K	**0**	**0**	**0**	**0**	**0**
64K	**0**	**0**	**0**	**0**	**0**
128K	**0**	**0**	**0**	**0**	**0**
256K	**0**	**0**	**0**	**0**	**0**
512K		**0**	**0**	**0**	**0**
1M			**0**	**0**	**0**

Data

Size	Block size(bytes)				
	16	32	64	128	256
2K	**0.4401**				
4K	**0.4386**	**0.4582**			
8K	**0.4378**	**0.4569**	**0.4632**		
16K	**0.3301**	**0.3679**	**0.4066**	**0.4249**	
32K	**0.1035**	**0.1655**	**0.2441**	**0.2956**	**0.3224**
64K	**0.0827**	**0.0449**	**0.0417**	**0.0405**	**0.0407**
128K	**0.0826**	**0.0435**	**0.0239**	**0.0143**	**0.0096**
256K	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**
512K		**0.0435**	**0.0239**	**0.0141**	**0.0092**
1M			**0.0239**	**0.0141**	**0.0092**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
2K	**0.0888**				
4K	**0.0769**	**0.0801**			
8K	**0.0662**	**0.0687**	**0.0706**		
16K	**0.0496**	**0.0536**	**0.0596**	**0.06206**	
32K	**0.0198**	**0.0247**	**0.0352**	**0.0425**	**0.0466**
64K	**0.0164**	**0.0104**	**0.0086**	**0.0079**	**0.0077**
128K	**0.0163**	**0.0103**	**0.0073**	**0.0058**	**0.0052**
256K	**0.0163**	**0.0103**	**0.0072**	**0.0057**	**0.0049**
512K		**0.0103**	**0.0072**	**0.0057**	**0.0049**
1M			**0.0072**	**0.0057**	**0.0049**

Swim:Associativity 4

Instruction

Size	Block size(bytes)				
	16	32	64	128	256
4K	**0**				
8K	**0**	**0**			
16K	**0**	**0**	**0**		
32K	**0**	**0**	**0**	**0**	
64K	**0**	**0**	**0**	**0**	**0**
128K	**0**	**0**	**0**	**0**	**0**
256K	**0**	**0**	**0**	**0**	**0**
512K	**0**	**0**	**0**	**0**	**0**
1M		**0**	**0**	**0**	**0**

Data

Size	Block size(bytes)				
	16	32	64	128	256
4K	**0.2462**				
8K	**0.2453**	**0.3089**			
16K	**0.2445**	**0.3078**	**0.3704**		
32K	**0.1167**	**0.1955**	**0.2744**	**0.3289**	
64K	**0.0826**	**0.0463**	**0.0480**	**0.0492**	**0.0503**
128K	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**
256K	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**
512K	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**
1M		**0.0435**	**0.0239**	**0.0141**	**0.0092**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
4K	**0.0403**				
8K	**0.0381**	**0.0446**			
16K	**0.0368**	**0.0433**	**0.0539**		
32K	**0.0198**	**0.0275**	**0.0391**	**0.0476**	
64K	**0.0163**	**0.0105**	**0.0091**	**0.0086**	**0.0084**
128K	**0.0163**	**0.0103**	**0.0072**	**0.0057**	**0.0049**
256K	**0.0163**	**0.0102**	**0.0072**	**0.0057**	**0.0049**
512K	**0.0163**	**0.0102**	**0.0072**	**0.0057**	**0.0049**
1M		**0.0102**	**0.0072**	**0.0057**	**0.0049**

Swim:Associativity 8

Instruction

Size	Block size(bytes)				
	16	32	64	128	256
8K	**0**				
16K	**0**	**0**			
32K	**0**	**0**	**0**		
64K	**0**	**0**	**0**	**0**	
128K	**0**	**0**	**0**	**0**	**0**
256K	**0**	**0**	**0**	**0**	**0**
512K	**0**	**0**	**0**	**0**	**0**
1M	**0**	**0**	**0**	**0**	**0**

Data

Size	Block size(bytes)				
	16	32	64	128	256
8K	**0.1039**				
16K	**0.1033**	**0.1293**			
32K	**0.1031**	**0.1287**	**0.2174**		
64K	**0.0826**	**0.0503**	**0.0675**	**0.0767**	
128K	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**
256K	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**
512K	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**
1M	**0.0826**	**0.0435**	**0.0239**	**0.0141**	**0.0092**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
8K	**0.0205**				
16K	**0.0197**	**0.0203**			
32K	**0.0195**	**0.0198**	**0.0296**		
64K	**0.0163**	**0.0105**	**0.0108**	**0.0110**	
128K	**0.0163**	**0.0103**	**0.0073**	**0.0057**	**0.0049**
256K	**0.0163**	**0.0102**	**0.0072**	**0.0057**	**0.0049**
512K	**0.0163**	**0.0102**	**0.0072**	**0.0057**	**0.0049**
1M	**0.0163**	**0.0102**	**0.0072**	**0.0057**	**0.0049**