Table 1

TomcatV:Associativity 1

Instruction

Size	Block size(bytes) 16	32	64	128	256
1K	**0.0001**				
2K	**0**	**0**			
4K	**0**	**0**	**0**		
8K	**0**	**0**	**0**	**0**	
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	**0.2591**				
2K	**0.2557**	**0.2557**			
4K	**0.2539**	**0.2537**	**0.2582**		
8K	**0.2509**	**0.2508**	**0.2547**	**0.2593**	
16K	**0.2383**	**0.2364**	**0.2442**	**0.2505**	**0.2525**
32K	**0.1314**	**0.1313**	**0.1578**	**0.1810**	**0.1921**
64K	**0.0917**	**0.0651**	**0.07212**	**0.07966**	**0.0838**
128K	**0.0883**	**0.0571**	**0.0418**	**0.0337**	**0.0302**
256K		**0.0568**	**0.0415**	**0.0334**	**0.0298**
512K			**0.0412**	**0.0333**	**0.0296**
1M				**0.033**	**0.0295**

Unified

Size	Block size(bytes) 16	32	64	128	256
1K	**0.1518**				
2K	**0.1370**	**0.1326**			
4K	**0.1009**	**0.1000**	**0.1030**		
8K	**0.0985**	**0.0977**	**0.0988**	**0.1054**	
16K	**0.0930**	**0.0912**	**0.0928**	**0.0983**	**0.1031**
32K	**0.0523**	**0.0514**	**0.0603**	**0.0707**	**0.0768**
64K	**0.0365**	**0.0259**	**0.0285**	**0.0315**	**0.0341**
128K	**0.0345**	**0.0222**	**0.0167**	**0.0137**	**0.0129**
256K		**0.0217**	**0.0161**	**0.0131**	**0.0120**
512K			**0.0159**	**0.0128**	**0.0114**
1M				**0.0125**	**0.1222**

TomcatV:Associativity 2

Instruction

Size	Block size(bytes) 16	32	64	128	256
2K	**0**				
4K	**0**	**0**			
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	**0.2170**				
4K	**0.2143**	**0.2065**			
8K	**0.2130**	**0.2049**	**0.2182**		
16K	**0.2117**	**0.2035**	**0.2162**	**0.2259**	
32K	**0.1499**	**0.1438**	**0.1772**	**0.1970**	**0.2061**
64K	**0.0725**	**0.0493**	**0.0423**	**0.0433**	**0.0443**
128K	**0.0661**	**0.0336**	**0.0169**	**0.0088**	**0.0048**
256K	**0.0627**	**0.0318**	**0.0159**	**0.0083**	**0.0043**
512K		**0.0314**	**0.0158**	**0.0082**	**0.0042**
1M			**0.0154**	**0.0080**	**0.0041**

Unified

Size	Block size(bytes) 16	32	64	128	256
2K	**0.0935**				
4K	**0.0869**	**0.0820**			
8K	**0.0836**	**0.0793**	**0.0823**		
16K	**0.0823**	**0.0782**	**0.0808**	**0.0855**	
32K	**0.0590**	**0.0557**	**0.0665**	**0.0747**	**0.0783**
64K	**0.0258**	**0.0196**	**0.0168**	**0.0178**	**0.0186**
128K	**0.0258**	**0.0121**	**0.0065**	**0.0037**	**0.0023**
256K	**0.0244**	**0.0121**	**0.0058**	**0.0032**	**0.0017**
512K		**0.0120**	**0.0057**	**0.0031**	**0.0016**
1M			**0.0056**	**0.0030**	**0.0015**

TomcatV: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	**0.1552**				
8K	**0.1525**	**0.1513**			
16K	**0.1453**	**0.1475**	**0.1670**		
32K	**0.1441**	**0.1466**	**0.1660**	**0.1788**	
64K	**0.0754**	**0.0539**	**0.0483**	**0.0525**	**0.552**
128K	**0.0629**	**0.0319**	**0.0483**	**0.0083**	**0.0042**
256K	**0.0627**	**0.0318**	**0.0159**	**0.0082**	**0.0042**
512K	**0.0623**	**0.0316**	**0.0158**	**0.0082**	**0.0042**
1M		**0.0311**	**0.0155**	**0.0080**	**0.0041**

Unified

Size	Block size(bytes) 16	32	64	128	256
4K	**0.0684**				
8K	**0.0629**	**0.0605**			
16K	**0.0579**	**0.0575**	**0.0632**		
32K	**0.0569**	**0.0567**	**0.0625**	**0.0683**	
64K	**0.0303**	**0.0212**	**0.0192**	**0.0219**	**0.0237**
128K	**0.0245**	**0.0121**	**0.0058**	**0.0031**	**0.0016**
256K	**0.0243**	**0.0120**	**0.0057**	**0.0031**	**0.0016**
512K	**0.0242**	**0.0120**	**0.0057**	**0.0030**	**0.0016**
1M		**0.0117**	**0.0056**	**0.0030**	**0.0015**

TomcatV: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	**0.0939**				
16K	**0.0934**	**0.0500**			
32K	**0.0877**	**0.0466**	**0.0505**		
64K	**0.0874**	**0.04462**	**0.0491**	**0.0622**	
128K	**0.0630**	**0.03199**	**0.01599**	**0.00826**	**0.0042**
256K	**0.0627**	**0.0318**	**0.0159**	**0.0082**	**0.0042**
512K	**0.0623**	**0.0316**	**0.0158**	**0.0082**	**0.0042**
1M	**0.0614**	**0.0311**	**0.0156**	**0.0081**	**0.0041**

Unified

Size	Block size(bytes) 16	32	64	128	256
8K	**0.0366**				
16K	**0.0364**	**0.0207**			
32K	**0.0339**	**0.0185**	**0.0202**		
64K	**0.0338**	**0.0183**	**0.0194**	**0.0263**	
128K	**0.0245**	**0.0121**	**0.0058**	**0.0031**	**0.0016**
256K	**0.0243**	**0.0120**	**0.0057**	**0.0031**	**0.0016**
512K	**0.0241**	**0.0119**	**0.0057**	**0.0030**	**0.0016**
1M	**0.0238**	**0.0117**	**0.0056**	**0.0030**	**0.0015**