Table 4

Mgrid:Associativity 1

Instruction

Size	Block size(bytes)				
	16	32	64	128	256
1K	**0.0639**				
2K	**0.0610**	**0.0468**			
4K	**0.0610**	**0.0468**	**0.0379**		
8K	**0.0610**	**0.0468**	**0.0379**	**0.0252**	
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	**0.1522**				
2K	**0.1067**	**0.1022**			
4K	**0.0738**	**0.0812**	**0.0961**		
8K	**0.0569**	**0.0430**	**0.0464**	**0.0654**	
16K	**0.0459**	**0.0367**	**0.0327**	**0.0259**	**0.0224**
32K	**0.0447**	**0.0355**	**0.0312**	**0.0239**	**0.0186**
64K	**0.0441**	**0.0349**	**0.0304**	**0.0228**	**0.0166**
128K	**0.0437**	**0.0302**	**0.0236**	**0.0152**	**0.0084**
256K		**0.0299**	**0.0234**	**0.0248**	**0.0077**
512K			**0.0227**	**0.0143**	**0.0073**
1M				**0.0142**	**0.0071**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
1K	**0.1578**				
2K	**0.1389**	**0.1152**			
4K	**0.1295**	**0.1045**	**0.1334**		
8K	**0.0863**	**0.0551**	**0.0523**	**0.0561**	
16K	**0.0232**	**0.0174**	**0.0158**	**0.0155**	**0.0155**
32K	**0.0215**	**0.0153**	**0.0140**	**0.0126**	**0.0105**
64K	**0.0207**	**0.0143**	**0.0132**	**0.0112**	**0.0085**
128K	**0.0203**	**0.0124**	**0.0114**	**0.0081**	**0.0047**
256K		**0.0122**	**0.0112**	**0.0077**	**0.0042**
512K			**0.0109**	**0.0074**	**0.0039**
1M				**0.0073**	**0.0037**

Mgrid: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	**0.0269**				
4K	**0.0698**	**0.0627**			
8K	**0.0587**	**0.0403**	**0.0466**		
16K	**0.0466**	**0.0315**	**0.0271**	**0.0229**	
32K	**0.0435**	**0.0299**	**0.0234**	**0.0149**	**0.0076**
64K	**0.0435**	**0.0299**	**0.0233**	**0.0148**	**0.0074**
128K	**0.0434**	**0.0298**	**0.0232**	**0.0146**	**0.0073**
256K	**0.0434**	**0.0298**	**0.0232**	**0.0145**	**0.0072**
512K		**0.0287**	**0.0227**	**0.0143**	**0.0071**
1M			**0.0221**	**0.0139**	**0.0068**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
2K	**0.0426**				
4K	**0.0306**	**0.0360**			
8K	**0.0249**	**0.0257**	**0.0299**		
16K	**0.0216**	**0.0136**	**0.0130**	**0.0126**	
32K	**0.0202**	**0.0124**	**0.0113**	**0.0077**	**0.0041**
64K	**0.0199**	**0.0120**	**0.0111**	**0.0075**	**0.0038**
128K	**0.0199**	**0.0119**	**0.0109**	**0.0074**	**0.0037**
256K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	**0.0036**
512K		**0.0115**	**0.0108**	**0.0072**	**0.0036**
1M			**0.0107**	**0.0071**	**0.0035**

Mgrid: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	**0.0599**				
8K	**0.0564**	**0.0420**			
16K	**0.0442**	**0.0303**	**0.0237**		
32K	**0.0434**	**0.0298**	**0.0233**	**0.0149**	
64K	**0.0434**	**0.0298**	**0.0232**	**0.0147**	**0.0074**
128K	**0.0434**	**0.0298**	**0.0232**	**0.0147**	**0.0073**
256K	**0.0434**	**0.0298**	**0.0232**	**0.0145**	**0.0072**
512K	**0.0434**	**0.0298**	**0.0232**	**0.0145**	**0.0072**
1M		**0.0275**	**0.0221**	**0.0139**	**0.0068**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
4K	**0.0258**				
8K	**0.0229**	**0.0174**			
16K	**0.0208**	**0.0128**	**0.0115**		
32K	**0.0200**	**0.0120**	**0.0111**	**0.0075**	
64K	**0.0198**	**0.0119**	**0.0110**	**0.0074**	**0.0037**
128K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	**0.0036**
256K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	**0.0036**
512K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	**0.0036**
1M		**0.0111**	**0.0107**	**0.0071**	**0.0035**

Mgrid: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	**0.0586**				
16K	**0.0444**	**0.0304**			
32K	**0.0434**	**0.0298**	**0.0233**		
64K	**0.0434**	**0.0298**	**0.0232**	**0.0147**	
128K	**0.0434**	**0.0298**	**0.0232**	**0.0147**	**0.0073**
256K	**0.0434**	**0.0298**	**0.0232**	**0.0145**	**0.0072**
512K	**0.0434**	**0.0298**	**0.0232**	**0.0144**	**0.0072**
1M	**0.0385**	**0.0275**	**0.0221**	**0.0139**	**0.0068**

Unified

Size	Block size(bytes)				
	16	32	64	128	256
8K	**0.0231**				
16K	**0.0209**	**0.0129**			
32K	**0.0199**	**0.0119**	**0.0110**		
64K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	
128K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	**0.0036**
256K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	**0.0036**
512K	**0.0198**	**0.0119**	**0.0109**	**0.0073**	**0.0036**
1M	**0.0191**	**0.0112**	**0.0107**	**0.0071**	**0.0036**