

Informe de laboratorio

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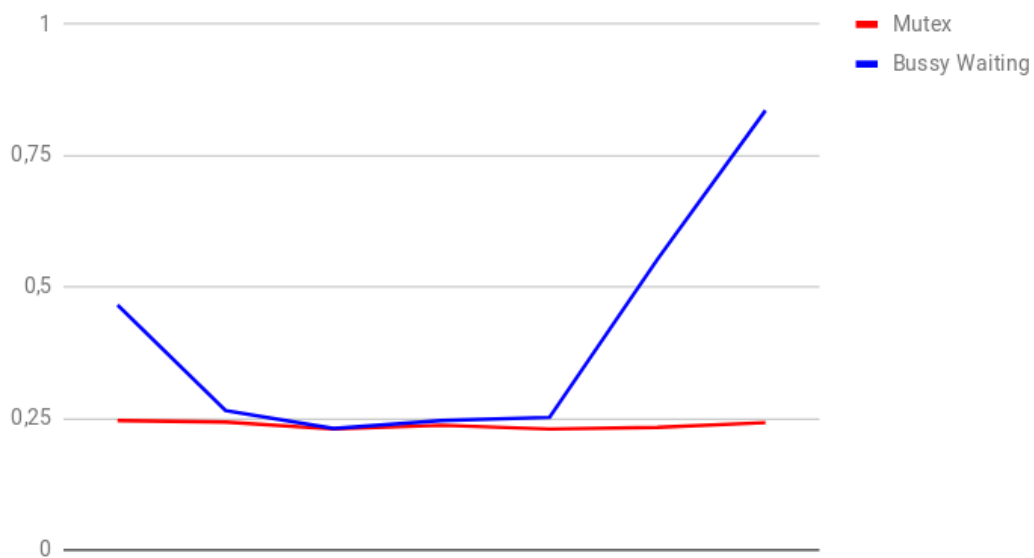
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Busy Waiting vs Mutex

Table 1: Mutex Vs Busy Waiting

Threads	Mutex	Busy Waiting
1	0.464	0.466
2	0.243	0.265
4	0.230	0.231
8	0.237	0.246
16	0.230	0.252
32	0.233	0.533
64	0.242	0.836

Mutex vs Bussy Waiting



Lista enlazada con PThread

99.9

Implementacin	Numero de Threads			
	1	2	4	8
Read-Write Locks	0.18	0.1	0.006	0.006
One Mutex for entire list	0.18	0.3	0.5	0.45
One Mutex per Node	0.98	0.83	0.65	0.75

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Implementacin	Numero de Threads			
	1	2	4	8
Read-Write Locks	0.19	0.1	0.007	0.007
One Mutex for entire list	0.2	0.32	0.46	0.45
One Mutex per Node	1	0.83	0.65	0.76

Dimensiones de matrices

Threads	Dimensiones		
	8000000 x 8	8000 x 8000	8 x 8000000
1	0,275	0,262	0,458
2	0,212	0,201	0,41
4	0,188	0,155	0,43

Dimensión de matrices

