

call from J. Stone:

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GE wants Times on problems:

4, 2 box or 1 box machine

APM 6

numbers given over phone

	6 Mem	4 Mem	2 Mem	1 Mem
1. Mesh	59.0 x	^{56.05} 55.2	^{54.26} 50.8	^{47.50} 38.7
2. Monte Carlo	38.2	^{45.0} 35.4	34.2	29.5
3. Reactor	75.7	75.6	^{75.2}	68.5
4. Computer test	57.9	55.0		
Simultaneous Exp	43.8	43.2		

cost + ad speed

also look refs.

Monte Carlo Problem

Number of IMS Memories	Data & Data Separate (2 data mems)		Data & Data Mixed		Monte Carlo	
	No disk	disk running	No disk	disk running	% increase in speed (no disk)	% savings in speed disk runs
1	-	-	17.6 ⁽⁴⁶⁾	8.3 ⁽²³⁾	↓	↓
2	-	-	29.4 ⁽⁷²⁾	22.2 ⁽⁵⁸⁾	↓	↓
4	-	-	34.3 ⁽⁹⁰⁾	29.2 ⁽⁷⁶⁾	↓	↓
6	38.2 ¹⁰⁰	~36 ⁹⁵	36.6 ⁽⁹⁶⁾	- ⁽⁴⁸⁾	↓	↓
8		-	38.4 ¹⁰¹	-	↓	↓

Westinghouse Problem

1	-	-	46.7 ⁽⁶⁷⁾	21.1 ⁽²³⁾	45%
2	-	-	68.7 ⁽⁹²⁾	53.8 ⁽⁷¹⁾	22%
4	-	-	75.4 ⁽⁹⁹⁾	72.3 ⁽⁹⁵⁾	16%
6	75.8 ¹⁰⁰	75.4 ⁹⁹	75.3 ⁽⁹⁹⁾	- ⁽⁷³⁾	
8	-	-	76.7 ¹¹¹	-	

Speed of
Monte Carlo data & results mixed

Exchange Rate 1 word energy - MS	1 Mem	2 Mem	4 Mem
∞	17.6 ⁵¹	29.4 ⁸⁵	34.2 ¹⁰⁰
32	16.4 ⁴⁸	28.3 ⁸²	33.5 ⁹⁷
16	15.2 ⁴⁴	27.3 ⁷⁹	33.5 ⁹⁷
10	13.8 ⁴⁰	26.6 ⁷⁷	31.4 ⁹²
8	12.9 ³⁸	26.0 ⁷⁶	31.8 ⁹³
6	11.3 ³³	24.2 ⁷⁰	31.0 ⁹¹
4	8.3 ²⁴	22.2 ⁶⁴	29.2 ⁸⁵
3.5	6.8 ²⁰		29.3 ⁸⁵
3	5.0 ¹⁵		27.1 ⁷⁹
2.5	2.5 ⁷		27.3 ⁸⁰
2.0	0 ⁰		24.8 ⁷²

Speed of Mesh Problem

Exchange Rate	1 Mem	2 Mem	4 Mem
∞			
32			
16			
10			
8			
6			
4			
3.5			
3			
2.5			
2.0			

