

Readings		
Papers and lecture note	s only	
Reader 7		
 D. M. Tullsen, S. J. Eg L. Lo, and R. L. Stamn <u>Fetch and Issue on an</u> <u>Multithreading Proces</u> 	gers, J. S. Emer, H. M. Levy, J. n, <u>Exploiting Choice: Instructio</u> I <u>Implementable Simultaneous</u> isor, ISCA 1996.	<u>n</u>
• J. Lo, L.A. Barroso, S. Levy, and S. Parekh, <u>A</u> Workload Performance Multithreaded Process	Eggers, K. Gharachorloo, H. <u>An Analysis of Database</u> <u>e on Simultaneous</u> <u>sors</u> , ISCA 1998.	
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Size of Speculative Write State		
	Max no. lines of write state	
	compress	24
 Max size determines size of write buffer for max performance 	eqntott	40
	grep	11
	m88ksim	28
 Non-head processor stalls when write buffer fills up 	wc	8
 Small write buffers (< 64 lines) will achieve good performance 	ijpeg	32
	mpeg	56
	alvin	158
	cholesky	4
	ear	82
	simplex	14
(C) 2005 Babak Falsafi from Adve, Falsafi, Hill, Lebeck, Reinhardt, Smith & Singh	18-742 byte cache lines	

