





















































		30. I	Ξχρε	erime	ents	and	Res	uits	
	Mand	elbrot F	Rende	erer (Gr	aphic	s Pipel	ine Ap	plicati	on)
				•	•	•	•	•	,
	<ul> <li>Simulator run times on 16-core Intel® Xeon® multi-core host</li> <li>CDUs et 2.7 CUE 9 serves each 2 way by an threaded</li> </ul>								
	<ul> <li>2 CPUs at 2.7 GHz, 8 cores each, 2-way hyper-threaded</li> </ul>								
	<ul> <li>RISC V0.2.1, Posix-threads</li> </ul>								
Γ		DES		PDES			OOO PDES		
	Parallel Slices	Run	CPU	Run	CPU	Speedup	Run	CPU	Speedup
		Time	Load	Time	Load		Time	Load	
	1	162.13 s	99%	162.06 s	100%	1.00 x	161.90 s	100%	1.00 x
	2	162.19 s	99%	96.50 s	168%	1.68 x	96.48 s	168%	1.68 x
	4	162.56 s	99%	54.00 s	305%	3.01 x	53.85 s	304%	3.02 x
	8	163.10 s	99%	29.89 s	592%	5.46 x	30.05 s	589%	5.43 x
	16	164.01 s	99%	19.03 s	1050%	8.62 x	20.08 s	997%	8.17 x
	32	165.89 s	99%	11.78 s	2082%	14.08 x	11.99 s	2023%	13.84 x
Γ	64	170.32 s	99%	9.79 s	2607%	17.40 x	9.85 s	2608%	17.29 x
Γ	128	174.55 s	99%	9.34 s	2793%	18.69 x	9.39 s	2787%	18.59 x
	256	185.47 s	100%	8.91 s	2958%	20.82 x	8.90 s	2964%	20.84 x
	128	174.55 s 185.47 s	99% 100%	9.34 s 8.91 s	2793% 2958%	18.69 x 20.82 x	9.39 s	2787% 2964%	18.5

























