## **Distribute and Conquer**

## Data Race Detection with Beanstalk

evices	0.069	0.071	0.071	0.072	0.073	0.282	0.336	0.357	0.406	0.435	0.455	0.462
← Different Devices	0.463	0.465	0.467	0.469	0.476	0.476	0.477	0.479	0.480	0.481	0.481	0.488
		1500	100	1000		-			- 300		-	
	0.492	0.496	0.503	0.507	0.524	0.536	0.550	0.554	0.565	0.566	0.570	0.570
	0.615	0.618	0.638	0.692	0.723	0.733	0.734	0.746	0.784	0.884	0.884	0.916
			3	1	200	100	1	- 12	350	100	- 11	200
	1.164	1.268	1.295	1.332	1.356	1.567	1.589	1.640	1.689	1.719	1.725	1.747
	1.812	1.851	1.853	1.855	1.881	1.917	1.923	1.955	1.976	2.003	2.005	2.042
	*	700	100	138.00	1	10000	44.0	3.2	22.0	75.00	600	1
	2.059	2.060	2.078	2.080	2.106	2.131	2.136	2.149	2.189	2.255	2.258	2.272
		2.22	3360			100	一	10400			772±	
	2.277	2.327	2.404	2.420	2.421	2.427	2.437	2.477	2.490	2.496	2.585	2.693
			200A	236	47	- FXE	2519	****	o to			7120
	2.885	2.929	2.973	COMME	3.292	3.293	3.373	3.583	3.707	3.725	3.738	3.991
	Tage 2	Company	- 1 <del>1</del>	5.990	197 <u>44</u>	na San Ar mai kabit	ومعتقورة			; (29032845)	2043	40 E60
	4.578	4.667	4.737	5.148	5.521	5.660	5.740	5.741	5.897	6.098	6.234	6.554
	in <sub>st</sub> ig	granez y		1,0 (4,4)	100		13172	dist.		$-(\mu_n$		100
	6.595	6.809 -	6.864	7.082	7.149	7.616	7.765	7.925	7.936	8.421	8.540	8.708
1			17.7	2.35	-4	1.49	-					
	8.766	9:685	10.188	10.445	10.560	10.778	10.797	11.066	1 <b>1</b> .173	11.558	11.583	11.590
		_			100			- "	100			_
	11.639	11.940	11.976	12.042	12. <b>4</b> 74	12.503	12.622	13.366	13.948	14.013	14.027	14.181
						•				77.1		
	14.285	14.301	14.443	14.480	14.652	14.657	14.680 -	14.695	14.698	14.921	19.218	20.020
											•	•
es —	20.027	20.469	20.469	20.469	20.469	20.469	20.469	20.469	20.469	20.469	20.469	20.469
Different Devices	20.460	20.460	20.460	20.460	20.460	20.460	20.052	20.052	20.052	20.052	20.052	20.052
	20.469	20.469	20.469	20.469	20.469	20.469	20.952	20.952 -	20.952	20.952	20.952	20.952
	Increasing	Instrument	ation Dens	ity →					← Doc	reasing Inc	• trumentati	on Density

Increasing Instrumentation Density →