





























Graph Sizes							
				Vertices		Bytes	
	Level	Scale	Size	(Billion)	ТВ	/Vertex	
	10	26	Тоу	0.1	0.02	281.8048	
	11	29	Mini	0.5	0.14	281.3952	
	12	32	Small	4.3	1.1	281.472	
	13	36	Medium	68.7	17.6	281.4752	
	14	39	Large	549.8	141	281.475	
	15	42	Huge	4398.0	1,126	281.475	
					Average	281 <mark>.</mark> 5162	
Scale = log2(# vertices)							
UNIVERSITY OF Sept. 2016						16	











Examples						
System Interconnect	Core Architecture					
 T: Tightly coupled Cray systems with Aries NICs L: Loosely coupled 	 H: Heavyweight: Xeon L: Lightweight: ARM B: BlueGene Multi three ded: XMT 					
 Infiniband Networking S: Shared Memory SGI UV systems, XMT 	 V: Vector: NEC SX O: Other: Convey 					
 D: Dist. Shared Memory Numascale 	 G: GPU-like: Nvidia M: a mix 					
UNIVERSITY OF Sept. 201	16 ENABLING TO 22					































































































