

		Taxonomy				Demonstrated Scale*		Global Compre.		Problem Detection			Diagnosis/ Attribution	
								Program Structure	Resource Usage	Anomalies	Bottlenecks / Imbalance	Resource Misuse	Software	System
Visualization Techniques	Papers	H	S	T	A	Data	Parallel							
Radial Tree	Bhatele et al. [BG1*12]			X		NR	10 ⁴ processes	X	X		X			
Node-Link Graph	Boxfish [LLBT12, ILGT12]	X				NR	10 ⁴ nodes		X		X			X
Radial Tree, Animation	Choudhury and Rosen [CR11]	X	X			transactions	N/A	X	X		X	X	X	
Layered Node-Link	DOTS [BKS05]	X		X		NR	NR	X	X		X	X	X	
Clustered Node-Link, Animation	Frishman et al. [FT05]	X		X		NR	10 ² objects	X	X	X				
Node-Link Graph	Heapvis [AKGT10]		X			10 ³ nodes		X	X				X	
Radial Tree	Kim et al. [KLJ07]		X	X		NR	10 ³	X		X			X	
Node-Link Trees, Indented trees	Lin et al. [LT0B10]		X			NR	NR	X	X				X	
Node-Link trees	DeRose et al. [DHJ07]		X	X		NR	10 ² cores				X		X	
Node-Link graph, Animation	Sambasivan et al. [SSMG13]		X			NR	NR	X					X	
Radial Tree	Sigovan et al. [SMMT13a]	X				10 ¹ resources	10 ³ processes		X	X		X		
Node-Link trees	STAT [AdSLT09]		X	X		NR	10 ⁵ tasks	X			X		X	
Clustered Node-Link, Animation/Real Time	Streamsight [DPA09]		X	X		streaming	10 ³ tasks	X	X	X	X			
Layered None-Link	Threadscope [WT10]	X		X		10 ³ events	10 ¹ threads	X	X	X	X			
Node-Link Graph, Treemap	Weidendorfer et al. [WKT04]		X			NR	1	X					X	
Timeline, Stacked Graph, Small Multiples	de Pauw et al. [DPWB13]	X		X		streaming	10 ³ tasks	X	X		X		X	
Shared Timeline	Muelder et al. [MGM09]			X		NR	10 ⁴ processes	X			X			
Gantt Charts, Timeline, Matrix, Scatterplot	Muelder et al. [MSMT11]	X	X	X		NR	10 ³ cores	X	X		X			
3D Parallel Gantt Chart, Treemap/Force-directed layouts	Triva [SHN10]	X		X		NR	10 ³ processes	X	X		X			
Parallel Gantt Chart, Node-Link Tree, Bar Charts	Zinsight [DPH10]		X	X		10 ⁵ events	10 ² processes	X	X		X		X	
1D Color-Coded Array, Histograms	Cheadle and Field [CFAT06]	X	X			10 ¹ memory groups	N/A	X					X	X
1D Color-Coded Array Stacked By Time	Moreta and Telea [MT07]		X			10 ⁵ allocations	N/A	X				X	X	
Edge Bundling, Gantt Charts, Hierarchies	Extravis [CHZT07]		X			10 ⁵ events	NR	X					X	
Parallel Gantt Chart, Indented Trees, Code view	HPCToolkit [ABF*10, TMCF*11, LMC13]	X	X	X		gigabytes	10 ⁴ processes	X	X		X	X	X	X
Stacked Barcharts, Stacked Timelines	Lumière [BBH08]	X	X	X		10 ⁶ decisions	NR	X	X	X	X		X	
Parallel Gantt Chart, Small multiples, Plots, Ensemble	Projections [KZKL06, LMK08]		X	X		gigabytes	10 ⁴ processes	X	X		X	X	X	
Stacked Barcharts, Scatterplot, Histograms, Code Coloring	TraceVis [RZ05]	X	X			10 ⁷ instructions	NR	X	X		X	X	X	
Icicle Timelines, Coordinated views	Trumper et al. [TBD10]		X	X		10 ⁴ events	10 ¹ threads	X			X	X	X	
Parallel Gantt Chart, Icicle Timeline, Adjacency, Indented Trees, Ensemble Timeline, Plots	Vampir [NAW*96, BW12, ISC*12, VMa13]	X	X	X		terabytes	10 ⁵ processes	X	X		X			
Abstract Diagram	Choudhury et al. [CPP]	X	X			10 ¹ buffers	N/A				X	X	X	
Dot Plot, Bar Charts	Iviz [WYH10]		X	X		10 ⁶ events	2 jobs	X			X		X	
Scriptable	ParaProf [SML*12]			X		NR	10 ⁴ processes		X		X			
Indented Trees, Matrix	Scalasca [GWW*10, WG11]		X		X	terabytes	10 ⁵ cores	X	X		X		X	
Color-coded 2D matrix, histograms, 3D graph layout	Schulz et al. [SLBT11]	X		X	X	NR	10 ⁴ cores		X	X	X	X		
Bubble Chart, Animation	Sigovan et al. [SMM13]		X	X		NR	10 ⁴	X	X		X			
City Metaphor	SynchroVis [WWF*13]		X	X		10 ² objects	10 ¹ threads	X		X			X	
Icicle Timeline, Bundles	SyncTrace [KTD13]		X	X		10 ⁷ events	10 ² threads	X	X		X	X	X	
Sunburst, Matrix, Dendrogram	Travis [AH10]		X			10 ³ nodes	NR	X					X	