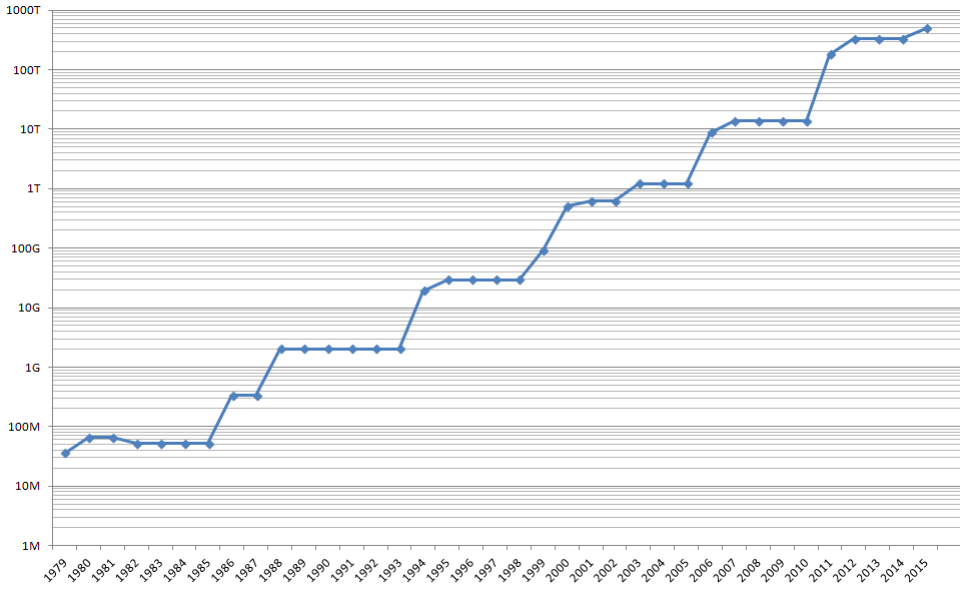


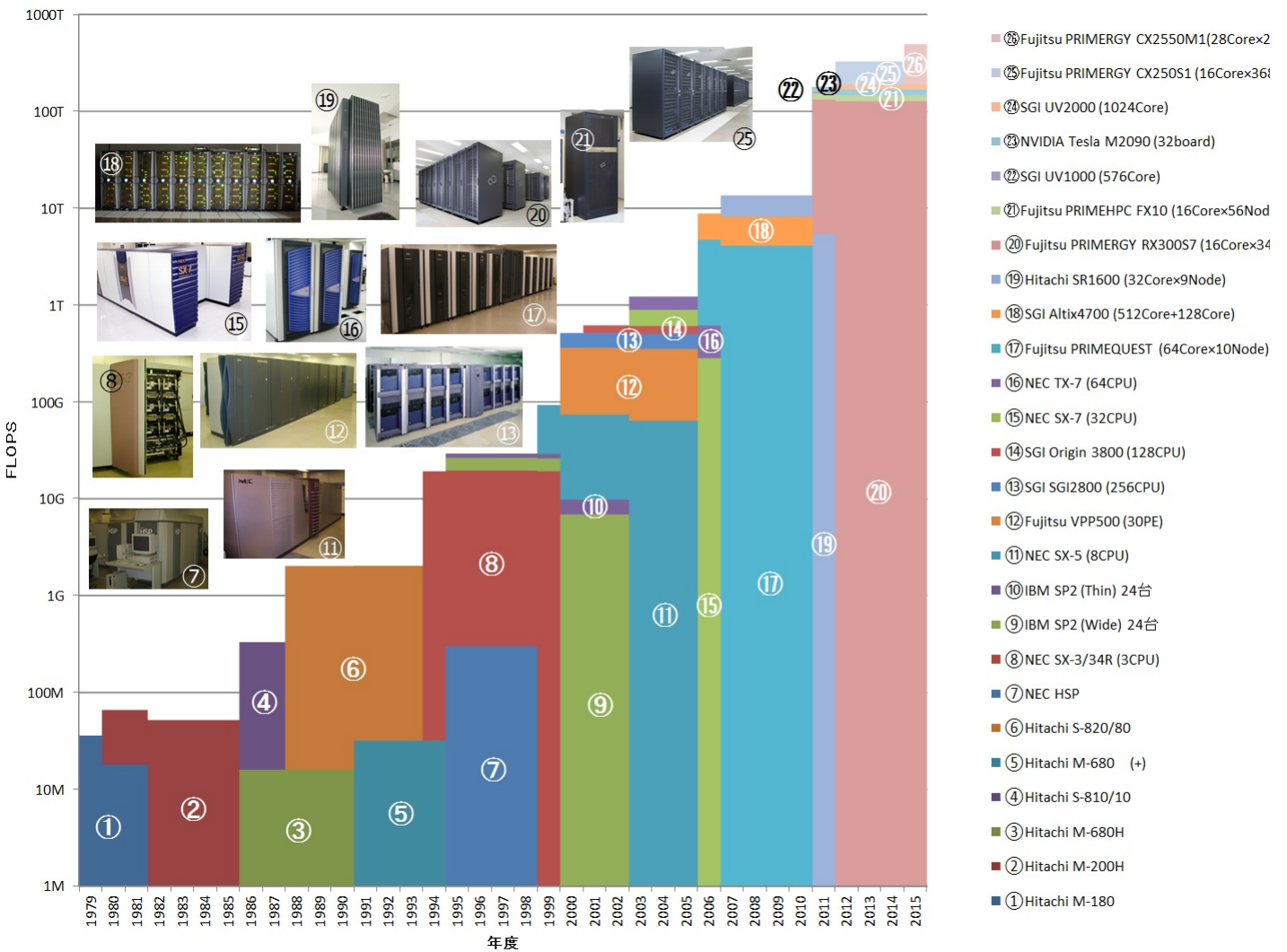
計算科学研究センターにおける CPU 能力の変遷

年	機種	理論総演算性能 (MFLOPS)
1979	HITACHI M-180(2台)	36
1980	HITACHI M-180	18
	HITACHI M-200H	48
	合計	66
1982	HITACHI M-200H(2台)	52
1986	HITACHI M-680H	16
	HITACHI S-810/10	315
	合計	331
1988	HITACHI M-680H	16
	HITACHI S-820/80	2,000
	合計	2,016
1991	HITACHI M-680H(+)	32
	HITACHI S-820/80	2,000
	合計	2,032
1994	HITACHI M-680H(+)	32
	NEC SX-3/34R (3CPU)	19,200
	合計	19,232
1995	IBM SP2(Wide24 台)	288.0×24
	IBM SP2(Thin24 台)	118.0×24
	NEC HSP	300
	NEC SX-3/34R (3CPU)	19,200
	合計	29,244
1999	IBM SP2(Wide24 台)	288.0×24
	IBM SP2(Thin24 台)	118.0×24
	NEC SX-5 (8CPU)	64,000
	NEC SX-3/34R (3CPU)	19,200
	合計	92,944
2000	IBM SP2(Wide24 台)	288.0×24
	IBM SP2(Thin24 台)	118.0×24
	NEC SX-5 (8CPU)	64,000
	Fujitsu VPP5000 (30PE)	288,000
	SGI SGI2800 (256CPU)	153,000
	合計	514,744
2001	IBM SP2(Wide24 台)	288.0×24
	IBM SP2(Thin24 台)	118.0×24
	NEC SX-5 (8CPU)	64,000
	Fujitsu VPP5000 (30PE)	288,000
	SGI SGI2800 (192CPU)	115,200
	SGI Origin3800 (128CPU)	102,400
	合計	579,344
2003	NEC SX-7 (32CPU)	282,560
	NEC TX7 (64CPU)	256,000
	Fujitsu VPP5000 (30PE)	288,000
	SGI SGI2800 (192CPU)	115,200
	SGI Origin3800 (128CPU)	102,400
	合計	1,044,160
2006	NEC SX-7 (32CPU)	282,560
	NEC TX7 (64CPU)	256,000
	Fujitsu PRIMEQUEST(640core)	4,096,000
	SGI Altix4700(640core)	4,096,000
	合計	8,730,560
2008	Fujitsu PRIMEQUEST(640core)	4,096,000
	SGI Altix4700(640core)	4,096,000
	Hitachi SR16000(288way)	5,414,400
	合計	13,606,400
2011	Fujitsu PRIMERGY RX300S7(5472core)	126,950,400
	(+ NVIDIA Tesla M2090 32台)	21,280,000
	Fujitsu PRIMEHPC FX10(1536core)	20,152,320
	SGI UV1000(576core)	6,128,640
	Hitachi SR16000(288way)	5,414,400
	合計	179,925,760
2012	Fujitsu PRIMERGY RX300S7(5472core)	126,950,400
	(+ NVIDIA Tesla M2090 32台)	21,280,000
	Fujitsu PRIMEHPC FX10(1536core)	20,152,320
	SGI UV2000(1024core)	21,299,200
	Fujitsu PRIMERGY CX250S1(5888core)	136,601,600
	合計	326,283,520
2015	Fujitsu PRIMERGY RX300S7(5472core)	126,950,400
	(+ NVIDIA Tesla M2090 32台)	21,280,000
	Fujitsu PRIMEHPC FX10(1536core)	20,152,320
	SGI UV2000(1024core)	21,299,200
	Fujitsu PRIMERGY CX2550M1(7280core)	302,848,000
	合計	492,529,920
2017	NEC LX LX 2U-Twin2サーバ 406Rh-2(31,760core)	2,439,000,000
	NEC LX 1Uサーバ 110Rh-1(800core)	61,400,000
	NEC LX 1Uサーバ 110Rh-1(5,724core)	550,000,000
	NEC LX 4U-GPUサーバ 108Th-4G(2,304core)	221,000,000
	(+NVIDIA Tesla P100 2枚×96台)	806,000,000
	Fujitsu PRIMEHPC FX10(1536core)	20,152,320
	合計	3,097,552,320

FLOPS



詳細版



添付	サイズ
スパコンマシン変移図2015.png	623.28 KB
スパコン演算性能変移図2015.png	63.64 KB
スパコン演算性能変移図2015-2.png	21.51 KB