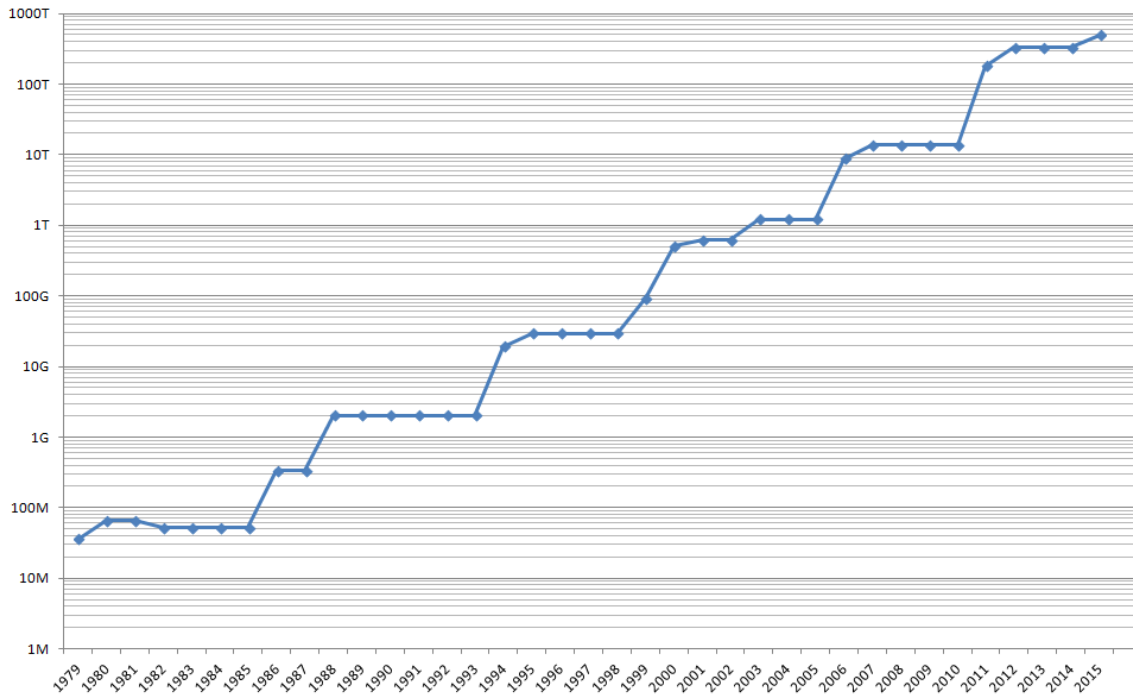


計算科学研究センターにおける CPU 能力の変遷

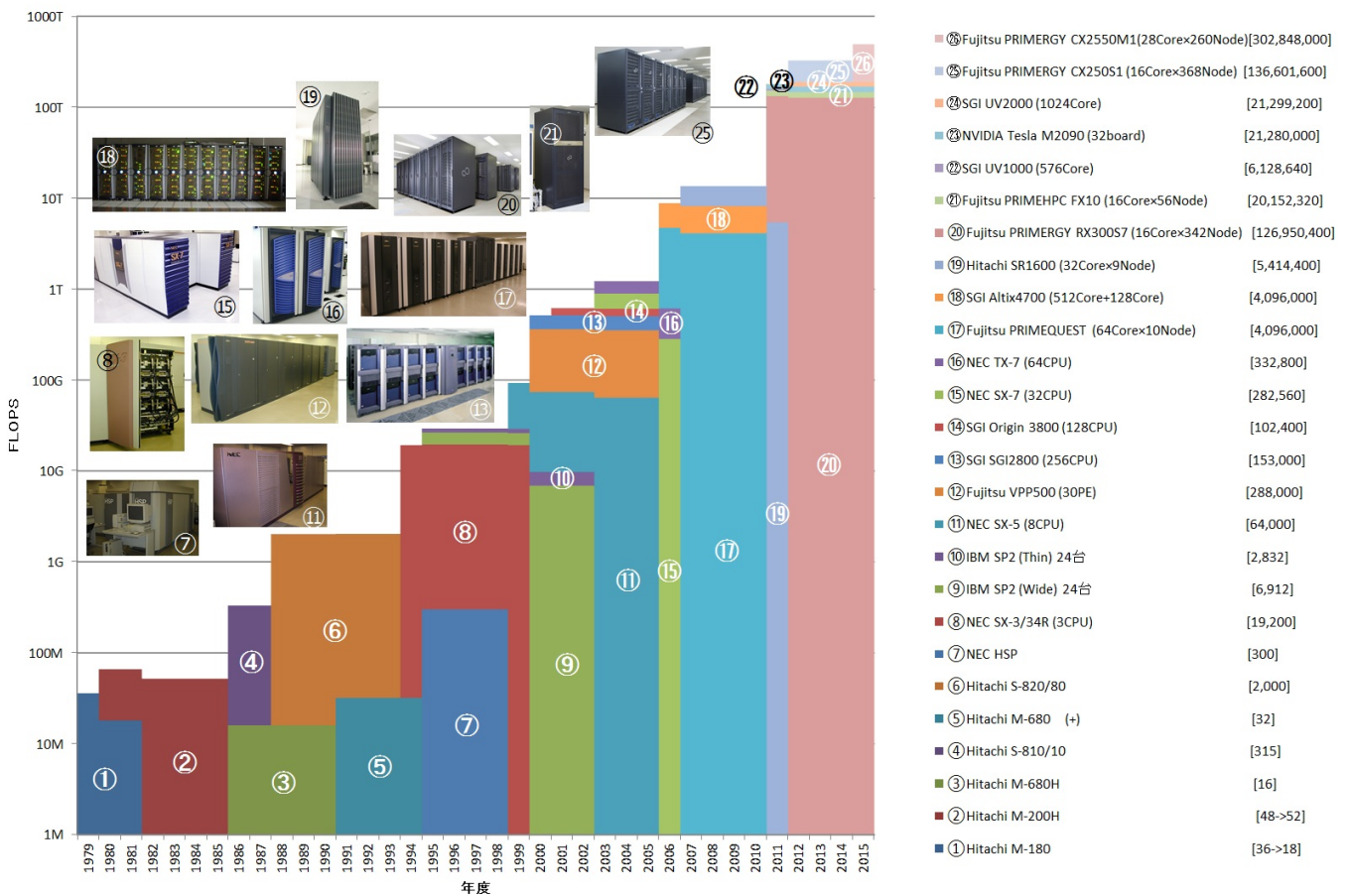
年	機種	理論総演算性能 (MFLOPS)
1979	HITACHI M-180 (2台)	36
1980	HITACHI M-180	18
	HITACHI M-200H	48
	合計	66
1982	HITACHI M-200H (2台)	52
1986	HITACHI M-680H	16
	HITACHI S-810/10	315
	合計	331
1988	HITACHI M-680H	16
	HITACHI S-820/80	2,000
	合計	2,016
1991	HITACHI M-680H(+)	32
	HITACHI S-820/80	2,000
	合計	2,032
1994	HITACHI M-680H(+)	32
	NEC SX-3/34R (3 CPU)	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 (3 CPU)	19,200
	合計	29,244
1999	IBM SP2 (Wide24 台)	288.0×24
	IBM SP2 (Thin24 台)	118.0×24
	NEC SX-5 (8 CPU)	64,000
	NEC SX-3/34R (3 CPU)	19,200
	合計	92,944
2000	IBM SP2 (Wide24 台)	288.0×24
	IBM SP2 (Thin24 台)	118.0×24
	NEC SX-5 (8 CPU)	64,000
	Fujitsu VPP5000 (30 PE)	288,000
	SGI SGI2800 (256 CPU)	153,000
	合計	514,744
2001	IBM SP2 (Wide24 台)	288.0×24
	IBM SP2 (Thin24 台)	118.0×24
	NEC SX-5 (8 CPU)	64,000
	Fujitsu VPP5000 (30 PE)	288,000
	SGI SGI2800 (192 CPU)	115,200
	SGI Origin3800 (128 CPU)	102,400
	合計	579,344
2003	NEC SX-7 (32 CPU)	282,560
	NEC TX7 (64 CPU)	256,000
	Fujitsu VPP5000 (30 PE)	288,000
	SGI SGI2800 (192 CPU)	115,200

年	機種	理論総演算性能 (MFLOPS)
	SGI Origin3800 (128 CPU)	102,400
	合計	1,044,160
2006	NEC SX-7 (32 CPU)	282,560
	NEC TX7 (64 CPU)	256,000
	Fujitsu PRIMEQUEST (640 core)	4,096,000
	SGI Altix4700 (640 core)	4,096,000
	合計	8,730,560
2008	Fujitsu PRIMEQUEST (640 core)	4,096,000
	SGI Altix4700 (640 core)	4,096,000
	Hitachi SR16000 (288 way)	5,414,400
	合計	13,606,400
2011	Fujitsu PRIMERGY RX300S7 (5,472 core)	126,950,400
	(+ NVIDIA Tesla M2090 32台)	21,280,000
	Fujitsu PRIMEHPC FX10 (1,536 core)	20,152,320
	SGI UV1000 (576 core)	6,128,640
	Hitachi SR16000 (288 way)	5,414,400
	合計	179,925,760
2012	Fujitsu PRIMERGY RX300S7 (5,472 core)	126,950,400
	(+ NVIDIA Tesla M2090 32台)	21,280,000
	Fujitsu PRIMEHPC FX10 (1,536 core)	20,152,320
	SGI UV2000(1024core)	21,299,200
	Fujitsu PRIMERGY CX250S1 (5,888 core)	136,601,600
	合計	326,283,520
2015	Fujitsu PRIMERGY RX300S7 (5,472 core)	126,950,400
	(+ NVIDIA Tesla M2090 32台)	21,280,000
	Fujitsu PRIMEHPC FX10 (1,536core)	20,152,320
	SGI UV2000 (1,024core)	21,299,200
	Fujitsu PRIMERGY CX2550M1 (7,280 core)	302,848,000
	合計	492,529,920
2017	NEC LX LX 2U-Twin2サーバ 406Rh-2 (31,760 core)	2,439,000,000
	NEC LX 1Uサーバ 110Rh-1 (800 core)	61,400,000
	NEC LX 1Uサーバ 110Rh-1 (5,724 core)	550,000,000
	NEC LX 4U-GPUサーバ 108Th-4G (2,304 core)	221,000,000
	(+NVIDIA Tesla P100 2枚×96台)	806,000,000
	Fujitsu PRIMEHPC FX10 (1,536 core)	20,152,320
	合計	3,097,552,320
2022	HPE Apollo2000 Gen 10 Plus (102,912 core)	4,034,000,000
	HPE Apollo2000 Gen 10 Plus (1,792 core)	70,000,000
	HPE Apollo6500 Gen 10 Plus (2,048 core)	80,000,000
	(+NVIDIA A100 NVLink 128個)	2,496,000,000
	合計	6,680,000,000

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