Fee Chart (2023 SHIROKANE) for Academic use of the Supercomputer System of Human Genome Center, the Institute of Medical Science, the University of Tokyo

Target	Usage course	Fee Yearly amount (twelve months)	※1 ※2 Monthly amount	Space - Home Disk	Number of files - Home Disk	Space - Archive Disk	※5 ※6 Exclusive	※7 Shared total	※5 mjobs.q Max:11376	arm.q Max:2880	V100 gpuv.q Max:80	A100 gpua.q Max:8	ljobs.q Max:1836	lmem.q Max:144	intr.q Max:288	web.q Max:36	Total memory quota (GB)	Web service	Windows node	SSH login	Remote desktop	Aspera transfer	Intel Compiler (C, C++, F90, F77)	Mathmatica (The U. of Tokyo only)
Free		¥0	¥0	100GiB	100k	-	0	40	20	-	0	0	0	0	20	0	200	no	no	○	○	○	○	○
	D1	¥54,000	¥4,500	2TiB	2M	4TiB	0	354	256	○	0	0	48	8	6	36	2,050	○	○	○	○	○	○	○
	D2	¥108,000	¥9,000	2TiB	2M	8TiB	0	664	512	○	0	0	96	8	12	36	3,600	○	○	○	○	○	○	○
	D3	¥180,000	¥15,000	3TiB	3M	16TiB	0	974	768	○	0	0	144	8	18	36	5,150	○	○	○	○	○	○	○
	D4	¥360,000	¥30,000	6TiB	6M	32TiB	0	1,284	1,024	○	0	0	192	8	24	36	6,700	○	○	○	○	○	○	○
	D5	¥684,000	¥57,000	12TiB	12M	64TiB	24	1,594	1,280	○	0	0	240	8	30	36	8,370	○	○	○	○	○	○	○
	D6	¥1,380,000	¥115,000	24TiB	24M	128TiB	48	2,581	2,048	○	1	0	384	64	48	36	15,409	○	○	○	○	○	○	○
	D7	¥2,340,000	¥195,000	48TiB	48M	256TiB	96	3,202	2,560	○	2	0	480	64	60	36	18,778	○	○	○	○	○	○	○
	D8	¥4,680,000	¥390,000	96TiB	96M	512TiB	192	5,128	4,096	○	4	0	768	128	96	36	31,176	○	○	○	○	○	○	○
	D9	¥9,240,000	¥770,000	192TiB	192M	1,024TiB	240	9,996	8,192	○	8	0	1,536	128	96	36	55,852	○	○	○	○	○	○	○
Additional exclusive (per 24 slots)		¥90,000	¥7,500	-	-	-	+12	-	-	-	-	-	-	-	-	-	+60	-	-	-	-	-	-	-
Additional shared (per 307 slots totally)		¥216,000	¥18,000	-	-	-	-	+310	+256	-	-	-	+48	-	+6	-	+1,550	-	-	-	-	-	-	-
Additional Fat nodes (per 64 CPU core)		¥27,000	¥2,250	-	-	-	-	+8	-	-	-	-	-	+8	-	-	+320	-	-	-	-	-	-	-
Additional Accelerator V100 (per 1 slot)		¥216,000	¥18,000	-	-	-	-	+1	-	-	+1	-	-	-	-	-	+24	-	-	-	-	-	-	-
Additional Accelerator A100 (per 1 slot)		¥336,000	¥28,000	-	-	-	-	+1	-	-	-	+1	-	-	-	-	+128	-	-	-	-	-	-	-
Additional Home Disk ※3 ※4 per 1TiB		¥36,000	¥3,000	+1TiB	+1M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Additional Archive Disk per 1TiB		¥3,000	¥250	-	-	+1TiB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tech. support 1 SP = ¥2,500		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Target: SHIROKANE / Academic

※1 Monthly payment usage plans are until the end of the fiscal year, at longest. Users may cancel the contract during the fiscal year.
※2 For monthly payment, even if the application is at the end of the month, payment will be calculated beginning with the month of the application.
※3 We will save data for one month after use is terminated. If you wish to have access to the data for longer, you must pay for an additional disk.
※4 Users of any course may apply for an additional home disk and an additional home disk.
※5 An exclusive queue will be created and the shared queue deleted when users apply for a course. The number of slots in the shared queue is the same as the maximum number in the case of no exclusive use.
※6 An exclusive queue is a queue that can be used exclusively by the applicant. If no jobs are entered by the applicant, other users' jobs are entered, and the queue is treated as a shared queue. When it is being used as a shared queue and the applicant enters a job, other users' jobs are rescheduled to another shared queue.
※7 A shared queue is a queue which sorts job execution sequence by order of lowest CPU usage over the past week. When many users are using the system at the same time, we cannot guarantee job execution start time.
※8 One group can only contract one course.
※9 "Number of slots and memories of available Altair Grid Engine queues" are shared with all Free users.
※10 "○" in the table indicates that the resource is available. "-" in the table indicates that the item in the row is not related to the resources or fees of the item in the column. A number starting with a "+" character in the table indicates the amount by which one unit of the option in the row increases the available resources in the column.