Table 2. Aggregate purchase price and percent distribution of academic research instruments, by system price range, field of science and engineering, and major type of instrument: 1993

[Dollars in millions]

System price range and field of science and engineering	Major type of instrument											
	All instruments		Computers and data handling instruments		Chromatographs and spectrometers		Microscopy instruments		Bioanalytical instruments		Other instruments	
	Total	Percent	Total	Percent	Total	Percent	Total	Percent	Total	Percent	Total	Percent
Total, all systems	$6,255	100%	$1,851	30%	$1,286	21%	$547	9%	$468	7%	$2,103	34%
Engineering	1,399	100	222	16	197	14	101	7	20	1	860	61
Chemistry	678	100	68	10	472	70	9	1	2	*	127	19
Physics/astronomy	1,062	100	136	13	175	16	38	4	20	2	694	65
Environmental sciences	696	100	180	26	171	25	115	17	5	1	224	32
Computer science	1,135	100	1,108	98	0	0	0	0	0	0	28	2
Academic departments	103	100	88	85	0	0	0	0	0	0	15	15
Computer facilities	1,032	100	1,020	99	0	0	0	0	0	0	12	1
Agricultural sciences	25	100	3	12	11	42	2	7	5	20	5	18
Biological sciences	1,150	100	119	10	250	22	259	23	414	36	109	9
Other, multidisciplinary	108	100	16	14	11	10	23	21	2	2	57	52
Total, systems costing $20,000-$999,999	4,366	100	784	18	1,124	26	527	12	468	11	1,463	34
Engineering	1,303	100	219	17	166	13	100	8	20	2	799	61
Chemistry	651	100	57	9	467	72	9	1	2	*	116	18
Physics/astronomy	501	100	136	27	84	17	19	4	20	4	243	48
Environmental sciences	502	100	111	22	164	33	115	23	5	1	107	21
Computer science	157	100	129	82	0	0	0	0	0	0	28	18
Academic departments	100	100	85	85	0	0	0	0	0	0	15	15
Computer facilities	56	100	44	78	0	0	0	0	0	0	12	22
Agricultural sciences	25	100	3	12	11	42	2	7	5	20	5	18
Biological sciences	1,118	100	113	10	223	20	259	23	414	37	109	10
Other, multidisciplinary	108	100	16	14	11	10	23	21	2	2	57	52
Total, systems costing $1 million or more	1,889	100	1,067	57	162	9	20	1	0	0	640	34
Engineering	97	100	3	3	31	32	1	1	0	0	61	63
Chemistry	27	S	11	S	5	S	0	0	0	0	11	S
Physics/astronomy	561	100	0	0	91	16	19	3	0	0	451	80
Environmental sciences	193	100	69	36	7	4	0	0	0	0	117	60
Computer science	978	100	978	100	0	0	0	0	0	0	0	0
Academic departments	2	S	2	S	0	0	0	0	0	0	0	0
Computer facilities	976	100	976	100	0	0	0	0	0	0	0	0
Agricultural sciences	0	0	0	0	0	0	0	0	0	0	0	0
Biological sciences	33	S	6	S	27	S	0	0	0	0	0	0
Other, multidisciplinary	0	0	0	0	0	0	0	0	0	0	0	0

NOTES: This table includes data for supersystems, which are large, integrated instrumentation systems/facilities generally with an aggregate purchase price of $1 million or more.

Because of rounding, details may not add to totals.

KEY: * = less than 0.5 percent
S = fewer than 10 cases for analysis

SOURCE: National Science Foundation/SRS, Survey of Academic Research Instruments and Instrumentation Needs: 1993