

Table B-50. R&D expenditures in the physical sciences at universities and colleges, ranked by fiscal year 2000 R&D expenditures in the physical sciences: fiscal years 1997-2000 and by subfield for 2000

[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Astronomy	Chemistry	Physics	Other
Total, all institutions	2,369,908	2,481,658	2,603,943	2,705,907	390,820	958,942	1,198,725	157,420
1 California Inst of Tech	83,752	86,036	108,136	118,664	42,056	15,538	61,070	0
2 Johns Hopkins U	128,348	131,662	121,817	97,484	28,168	12,616	50,215	6,485
3 MA Institute of Tech	105,971	100,899	92,189	92,198	16,533	18,756	56,131	778
4 U CA Berkeley	74,465	76,164	93,676	90,306	19,425	21,471	49,397	13
5 University of Arizona	83,110	71,248	83,227	83,227	68,160	9,699	5,368	0
6 University of Colorado	40,041	45,369	48,157	71,941	42,092i	12,251	17,059	539i
7 Cornell University	54,955	60,854	79,447	70,153	16,767	14,002	37,188	2,196
8 U TX at Austin	51,871	83,029	65,875	56,338	8,545	10,142	36,507	1,144
9 U MD at College Park	54,987	50,105	53,959	53,718	7,073	6,197	24,791	15,657
10 Stanford University	62,903	58,555	54,521	53,222	0	12,859	4,972	35,391
Total, 1st 10 institutions	740,403	763,921	801,004	787,251	248,819	133,531	342,698	62,203
11 U of IL Urbana-Champaign ...	39,270	45,258	48,846	48,612	6,074	17,667	24,871	0
12 U WI-Madison	37,401	38,814	41,526	46,678	4,016	14,758	21,817	6,087
13 U CA Los Angeles	32,665	36,402	41,873	45,035	3,351	13,564	27,683	437
14 Florida State University	54,209	50,612	41,417	43,626	0	11,631	31,797	198
15 Pennsylvania State U	25,055	25,966	37,420	42,461	5,313	16,075	18,668	2,405
16 U of Alaska Fairbanks	13,473i	14,507i	32,102	37,044	12,691	3,621	19,096	1,636
17 Michigan State University	28,738	30,143	31,712	35,882	0	7,180	28,702	0
18 University of Chicago	28,594	29,352	34,942	35,534	15,953	8,676	10,447	458
19 U CA San Diego	35,297	37,948	36,154	33,652	8,389	9,831	13,057	2,375
20 Harvard University	22,040	27,527	30,424	32,530	3,121	16,957	10,173	2,279
Total, 1st 20 institutions	1,057,145	1,100,450	1,177,420	1,188,305	307,727	253,491	549,009	78,078
21 Indiana University	26,206	21,275	25,926	29,682	814	10,812	18,017	39
22 U of Washington	19,729	22,595	26,090	27,122	2,865	9,167	15,090	0
23 Princeton University	28,337	28,114	28,018	27,100	3,881	9,850	13,369	0
24 Univ of Hawaii at Manoa	19,855	26,192	24,828	26,699	22,056	2,035	2,592	16
25 Columbia U in City of NY	21,789	24,154	21,500	26,104	3,530	7,072	2,359	13,143
26 SUNY at Stony Brook	21,382	23,978	24,363	24,797	1,508	6,774	16,515	0
27 U of Pennsylvania	26,132	24,546	24,775	24,780	0	12,886	11,894	0
28 University of Minnesota	17,439	17,404	17,382	24,475	2,596	8,472	13,407	0
29 Ohio State University	18,826	19,733	19,535	24,446	1,651	13,141	9,549	105
30 Texas A&M University	22,927	20,765	28,733	24,131	0	15,385	7,568	1,178
Total, 1st 30 institutions	1,279,767	1,329,206	1,418,570	1,447,641	346,628	349,085	659,369	92,559
31 U CA Santa Cruz	21,905	22,681	22,600	23,844	13,008	5,610	5,226	0
32 Rutgers the State U NJ	19,797	20,261	22,632	23,768	0	12,351	11,417	0
33 U CA Santa Barbara	17,988	18,068	21,057	23,459	0	7,056	16,394	9
34 University of Michigan	22,831	23,072	21,915	23,407	7,030	9,009	6,837	531
35 Georgia Institute of Tech	20,384	21,968	19,539	21,141	0	9,962	11,179	0
36 NC State University	11,672	15,387	15,759	20,814	0	7,813	11,036	1,965
37 Northwestern University	11,913	15,888	18,142	20,408	0	11,373	5,061	3,974
38 Purdue University	21,122	22,130	21,007	20,095	0	11,260	8,835	0
39 U MA Amherst	22,167	23,045	18,041	20,094	0	11,267	8,238	589
40 University of Florida	16,453	21,774	21,498	20,005	1,901	10,070	7,652	382
Total, 1st 40 institutions	1,465,999	1,533,480	1,620,760	1,664,676	368,567	444,856	751,244	100,009
41 Arizona State University	17,559	19,916	19,937	19,021	217	8,979	3,893	5,932
42 Yale University	15,988	17,397	18,596	18,830	948	6,888	10,994	0
43 U CA Davis	11,208	13,053	14,193	18,183	0	5,972	4,772	7,439
44 U of NC Chapel Hill	10,360	11,750	15,851	17,580	0	10,080	7,500	0
45 Louisiana State U System	13,576	13,540	16,153	17,479	0	8,543	8,929	7
46 U CA Irvine	18,224	17,542	17,328	16,519	0	9,683	6,800	36
47 U of Iowa	17,241	15,049	14,766	15,985	1,143	3,560	11,282	0
48 University of Oklahoma	10,382	12,401	12,958	15,549	0	12,512	3,037	0
49 University of Utah	12,085	11,105	13,983	15,453	0	8,420	4,051	2,982
50 University of Notre Dame	11,382	13,158	13,360	15,252	0	10,010	5,242	0
Total, 1st 50 institutions	1,604,004	1,678,391	1,777,885	1,834,527	370,875	529,503	817,744	116,405

See explanatory information and SOURCE at end of table.

Table B-50. R&D expenditures in the physical sciences at universities and colleges, ranked by fiscal year 2000 R&D expenditures in the physical sciences: fiscal years 1997-2000 and by subfield for 2000

[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Astronomy	Chemistry	Physics	Other
51 U of Central Florida	10,436	9,795	10,970	13,656	0	4,146	9,510	0
52 University of Rochester	13,000	13,815	13,049	13,461	1,544	4,097	7,820	0
53 Duke University	12,604	15,187	17,061	13,288	0	4,210	9,078	0
54 University of Virginia	11,655	11,639	12,550	13,233	1,277	7,951	3,986	19
55 U of South Carolina	8,906	11,655	12,078	12,921	0	9,321	3,600	0
56 Vanderbilt University	8,625	10,725	14,698	12,865	0	3,227	9,638	0
57 Boston University	11,973	12,897	11,945	12,569	1,137	2,228	4,417	4,787
58 Northeastern University	4,572	6,158	6,722	12,507	0	3,044	9,463	0
59 U CA San Francisco	0	0	0	12,332	0	12,332	0	0
60 University of Pittsburgh	11,805	10,108	10,668	11,914	502	7,459	3,929	24
Total, 1st 60 institutions	1,697,580	1,780,370	1,887,626	1,963,273	375,335	587,518	879,185	121,235
61 Rice University	8,820	9,187	10,698	11,909	2,414	6,605	2,890	0
62 Wayne State University	9,358	10,777	11,190	11,683	0	5,760	5,923	0
63 University of Delaware	8,888	9,466	10,144	11,038	0	5,418	1,820	3,800
64 University of New Mexico	7,409	10,518	8,679	11,000	0	2,725	8,172	103
65 U of Tennessee System	11,130	11,586	12,404	10,933	0	3,660	7,273	0
66 U of Nebraska at Lincoln	5,387	5,467	10,463	10,888	0	6,062	4,826	0
67 Montana St U Bozeman	4,918	6,682	7,279	10,712	0	4,331	6,381	0
68 Washington University	8,967	8,942	10,457	10,535	0	4,975	5,560	0
69 SUNY at Albany	4,638	6,201	8,051	10,423	0	1,483	8,940	0
70 VA Polytech Inst & St U	9,969	9,015	8,030	10,223	0	7,724	1,842	657
Total, 1st 70 institutions	1,777,064	1,868,211	1,985,021	2,072,617	377,749	636,261	932,812	125,795
71 University of Kansas	9,862	10,356	11,388	10,207	301	7,134	1,856	916
72 U Mississippi, All Camp	3,751	4,111	4,411	10,177	0	672	9,505	0
73 U of Southern California	9,958	11,068	10,415	10,177	234	7,551	2,392	0
74 University of Georgia	9,416	10,061	9,866	10,068	0	6,560	3,508	0
75 SUNY at Buffalo	7,801	10,913	10,338	9,790	0	6,852	2,407	531
76 Iowa State University	9,439	9,599	9,105	9,232	0	5,139	4,093	0
77 U of Maine	1,030	1,941	4,321	9,028	0	1,142	7,886	0
78 Brown University	9,050	8,005	8,027	8,806	0	4,140	4,666	0
79 University of Houston	7,793	7,770	9,102	8,571	0	5,411	2,822	338
80 Colorado State University	8,943	10,450	8,514	8,469	0	5,666	2,680	123
Total, 1st 80 institutions	1,854,107	1,952,485	2,070,508	2,167,142	378,284	686,528	974,627	127,703
81 Emory University	8,049	5,989	6,304	8,355	0	7,155	1,200	0
82 University of Akron	8,443	8,380	6,820	8,279	0	8,214	65	0
83 U of IL Chicago	7,567	8,597	8,317	8,186	0	4,075	4,111	0
84 U of Alabama Huntsville	8,320	6,447	8,624	8,185	0	1,837	6,348	0
85 University of Kentucky	3,688	5,386	5,623	8,068	0	4,787	3,281	0
86 Kansas State University	7,766	7,348	7,916	8,062	0	2,345	5,717	0
87 Carnegie Mellon U	8,293	8,485	8,586	7,942	0	2,033	5,041	868
88 Boston College	4,042	4,410	6,377	7,638	0	5,230	2,408	0
89 U CA Riverside	5,616	6,516	6,883	7,627	0	4,422	3,205	0
90 University of Oregon	6,706	7,325	7,728	7,267	0	3,265	4,002	0
Total, 1st 90 institutions	1,922,597	2,021,368	2,143,686	2,246,751	378,284	729,891	1,010,005	128,571

See explanatory information and SOURCE at end of table.

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[Dollars in thousands]

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Institution and ranking	1997	1998	1999	2000	2000, by subfield			
					Astronomy	Chemistry	Physics	Other
91 University of Connecticut	4,352	4,253	4,671	7,097	0	3,689	3,408	0
92 Clemson University	4,800	5,769	6,049	6,996	0	3,777	3,219	0
93 Catholic U of America	4,842	5,094	7,987	6,628	0	620	1,377	4,631
94 Kent State University	7,055	8,213	6,844	6,620	0	907	1,525	4,188
95 Case Western Reserve U	5,978	8,183	6,525	6,496	248	4,494	1,754	0
96 Colorado School of Mines	3,089	3,784	4,199	6,318	0	1,053	5,265	0
97 Oklahoma State University ...	5,002	5,432	7,005	6,282	0	2,468	3,642	172
98 CUNY City College	8,949	8,273	6,843	6,253	0	2,512	3,377	364
99 U of Nevada Reno	2,527	2,598	4,993	5,895	4	1,155	2,908	1,828
100 Virginia Commonwealth U	3,040	3,392	4,140	5,877	0	5,338	539	0
Total, 1st 100 institutions	1,972,231	2,076,359	2,202,942	2,311,213	378,536	755,904	1,037,019	139,754
Total, all other sampled institutions	397,677	405,299	401,001	394,694	12,284	203,038	161,706	17,666

KEY: i = imputed

NOTE: Because of rounding, detail may not add to totals.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Research and Development Expenditures at Universities and Colleges, Fiscal Year 2000