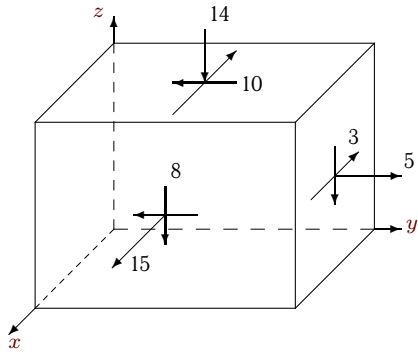


Трехмерное напряженное состояние

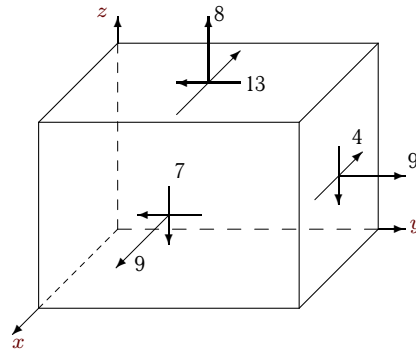
Найти главные нормальные и касательные напряжения. Вычислить октаэдрическое напряжение.

Задача 5.1



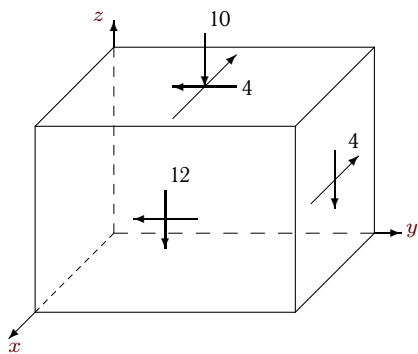
5.3

Задача 5.2



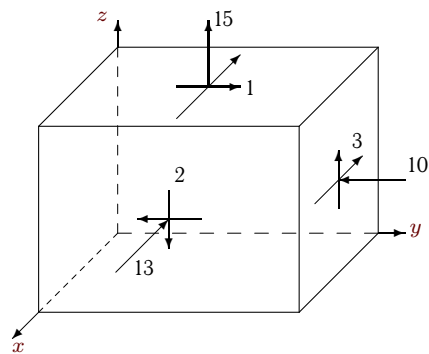
5.3

Задача 5.3



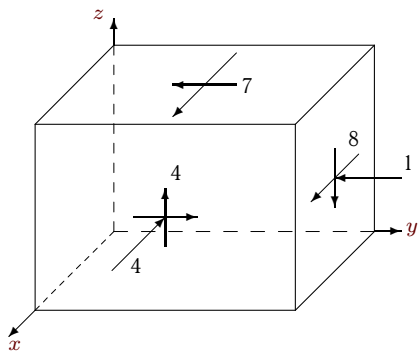
5.3

Задача 5.4



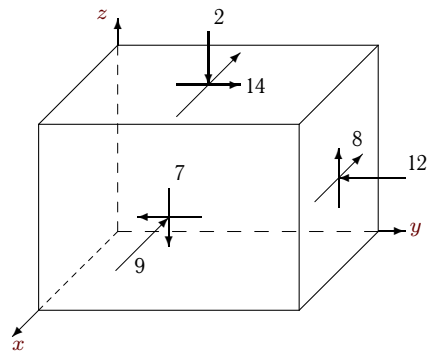
5.3

Задача 5.5



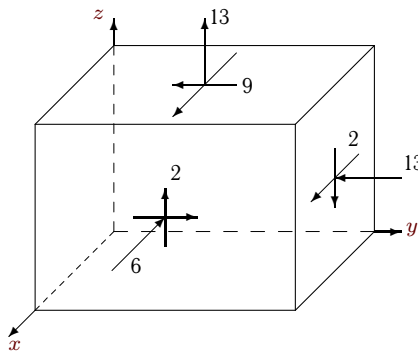
5.3

Задача 5.6



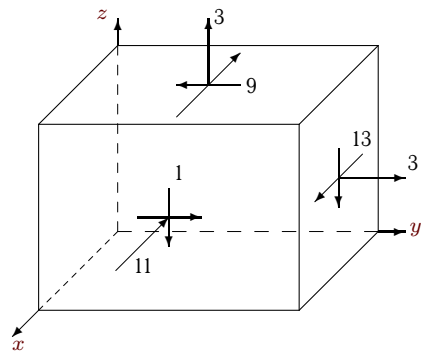
5.3

Задача 5.7



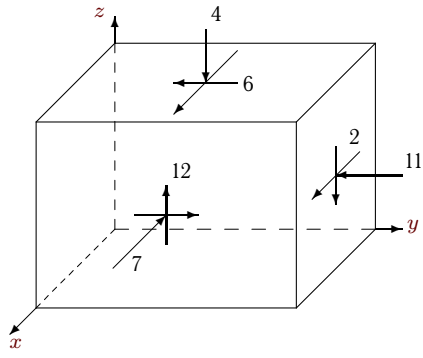
5.3

Задача 5.8



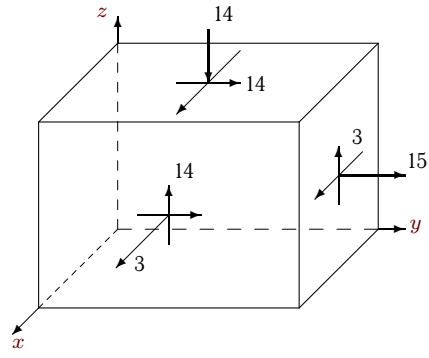
5.3

Задача 5.9



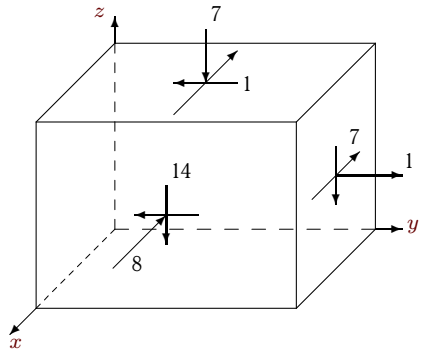
5.3

Задача 5.10



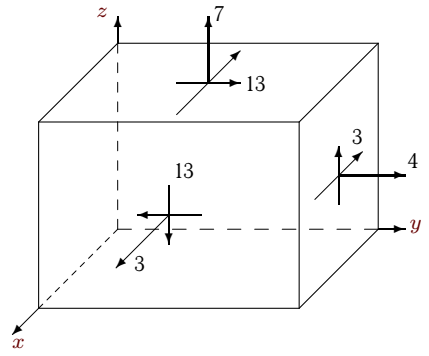
5.3

Задача 5.11



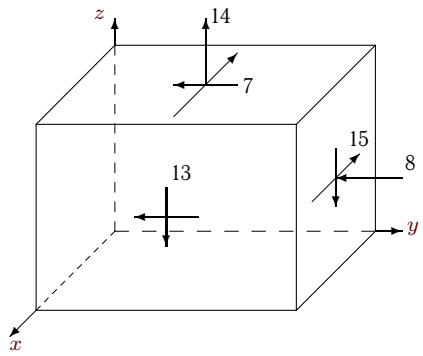
5.3

Задача 5.12



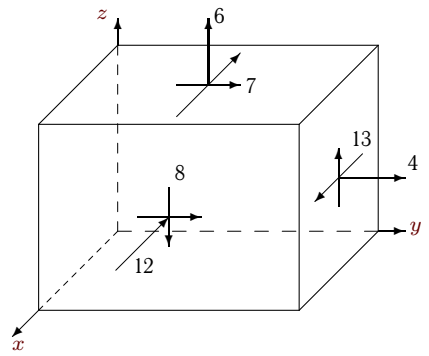
5.3

Задача 5.13



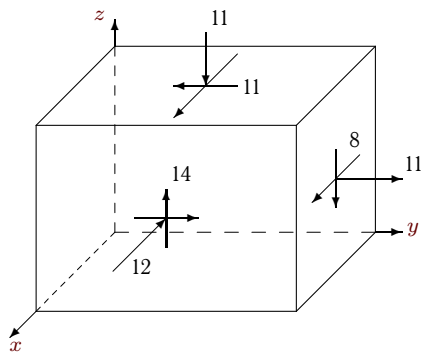
5.3

Задача 5.14



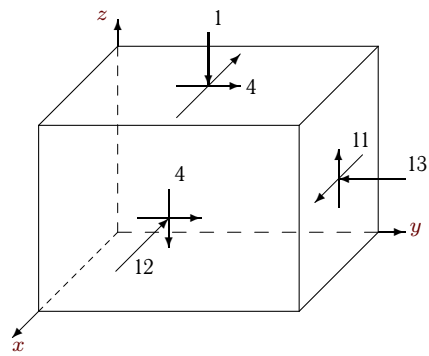
5.3

Задача 5.15



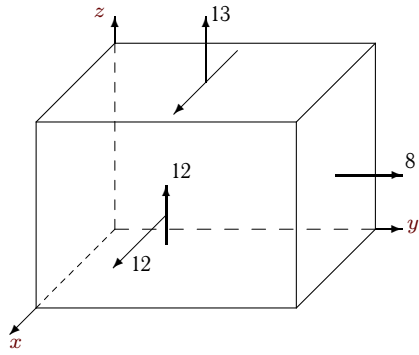
5.3

Задача 5.16



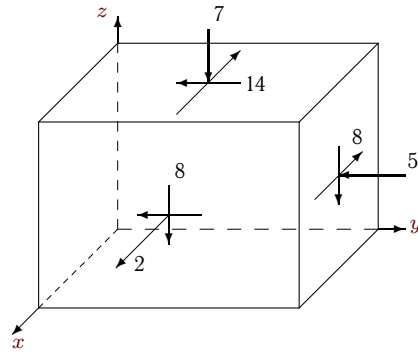
5.3

Задача 5.17



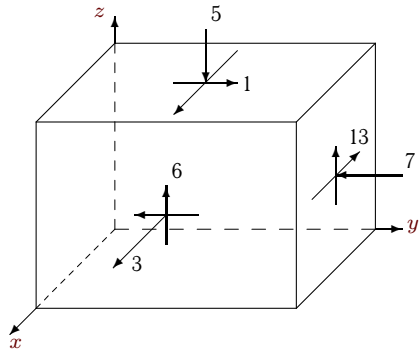
5.3

Задача 5.18



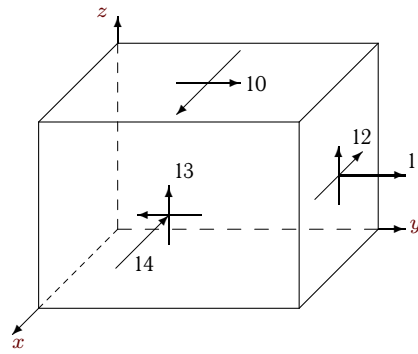
5.3

Задача 5.19



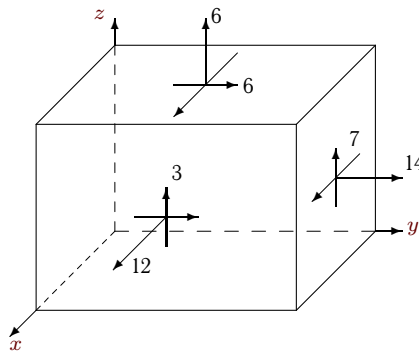
5.3

Задача 5.20



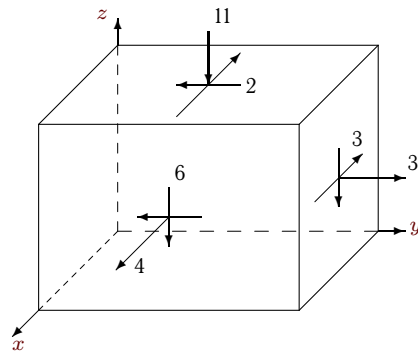
5.3

Задача 5.21



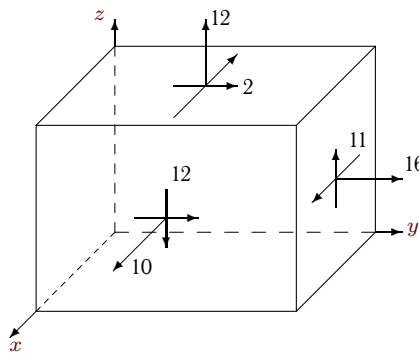
5.3

Задача 5.22



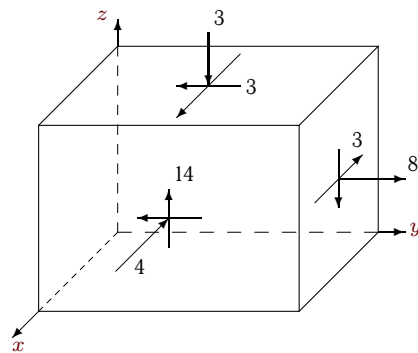
5.3

Задача 5.23



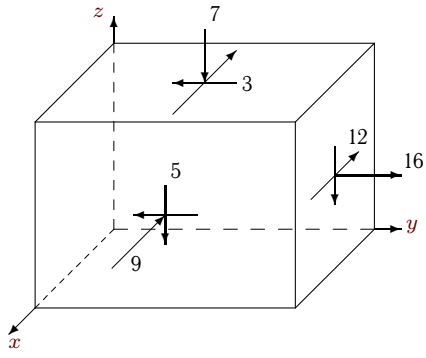
5.3

Задача 5.24



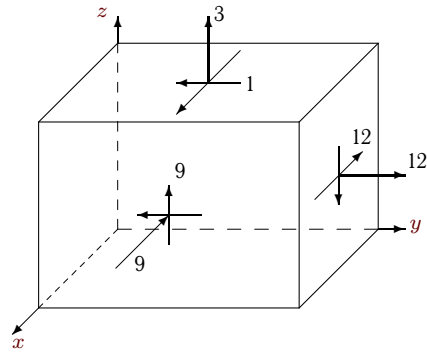
5.3

Задача 5.25



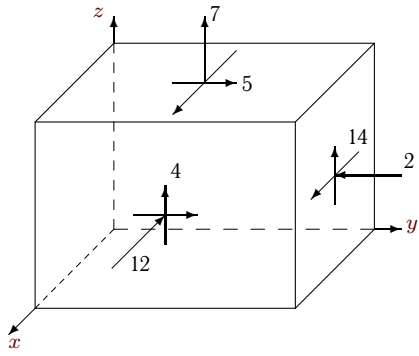
5.3

Задача 5.26



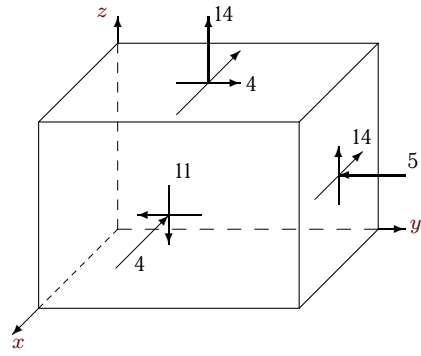
5.3

Задача 5.27



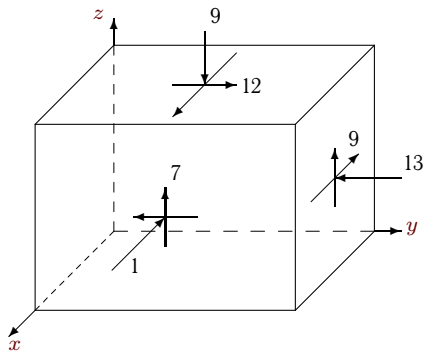
5.3

Задача 5.28



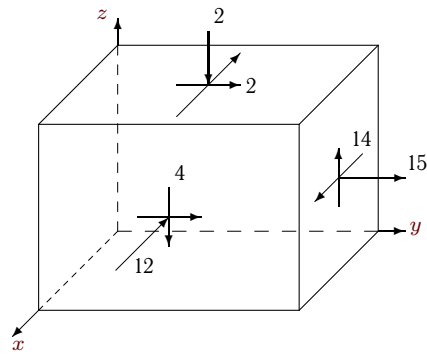
5.3

Задача 5.29



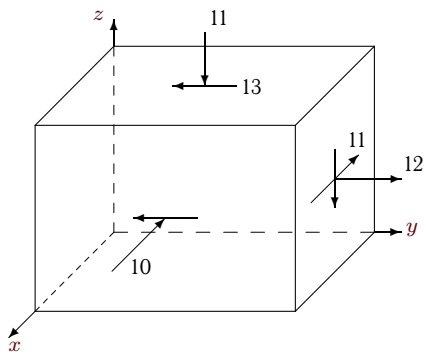
5.3

Задача 5.30



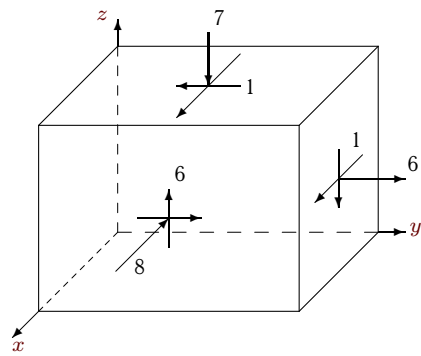
5.3

Задача 5.31



5.3

Задача 5.32



5.3

Трехмерное напряженное состояние

	J_1	J_2	J_3	σ_1	σ_2	σ_3	τ_1	τ_2	τ_3	T_{okt}
1	-6	-378	3224	17.080	9.274	-20.354	14.81	18.72	3.9	16.1245
2	-26	-9	2170	21.878	12.232	-8.109	10.17	15	4.82	12.4989
3	10	-176	224	8.176	1.400	-19.575	10.49	13.88	3.39	11.8134
4	8	-229	-1880	15.201	-8.300	-14.901	3.3	15.05	11.75	12.9185
5	5	-125	236	7.486	2.153	-14.640	8.4	11.06	2.67	9.4281
6	23	-159	-3832	12.802	-13.306	-22.496	4.6	17.65	13.05	14.9518
7	6	-258	-1428	15.891	-5.474	-16.417	5.47	16.15	10.68	13.4164
8	5	-308	-516	16.109	-1.646	-19.463	8.9	17.79	8.88	14.5220
9	22	-35	-1256	7.187	-8.412	-20.775	6.18	13.98	7.8	11.4407
10	-4	-608	2856	24.229	4.724	-24.953	14.84	24.59	9.75	20.2210
11	14	-205	-15	8.990	-0.073	-22.917	11.42	15.95	4.53	13.4247
12	-14	-286	148	25.141	0.505	-11.647	6.08	18.4	12.32	15.3043
13	-6	-555	4528	21.901	8.480	-24.381	16.43	23.14	6.71	19.4422
14	2	-378	2426	12.723	8.287	-23.010	15.65	17.87	2.22	15.9025
15	12	-502	1012	15.767	2.146	-29.913	16.03	22.84	6.81	19.1485
16	26	28	-13	0.349	-1.497	-24.852	11.68	12.6	0.92	11.4698
17	-33	212	-96	24.510	8.000	0.490	3.76	12.01	8.26	10.0333
18	10	-313	1346	8.137	6.668	-24.806	15.74	16.47	0.73	15.1950
19	9	-207	-1043	13.030	-4.590	-17.440	6.43	15.23	8.81	12.4900
20	13	-427	1889	10.520	6.068	-29.589	17.83	20.05	2.23	17.9505
21	-32	230	-408	22.635	6.657	2.708	1.97	9.96	7.99	8.6152
22	4	-114	229	7.310	2.302	-13.611	7.96	10.46	2.5	8.9194
23	-38	203	2404	27.378	16.082	-5.460	10.77	16.42	5.65	13.6219
24	-1	-258	1157	13.678	4.831	-17.509	11.17	15.6	4.42	13.1233
25	0	-371	-1337	20.859	-3.745	-17.114	6.68	18.99	12.3	15.7268
26	-6	-325	1503	18.960	4.532	-17.492	11.01	18.23	7.21	14.9889
27	7	-311	312	13.841	1.031	-21.872	11.45	17.86	6.4	14.7723
28	-5	-439	563	23.013	1.269	-19.282	10.28	21.15	10.87	17.2691
29	23	-135	119	3.882	1.096	-27.977	14.54	15.93	1.4	14.4068
30	-1	-402	-336	20.952	-0.839	-19.113	9.14	20.03	10.9	16.3775
31	9	-432	-4341	21.143	-10.399	-19.744	4.67	20.44	15.77	17.4929
32	9	-72	-123	6.102	-1.480	-13.623	6.07	9.86	3.79	8.1240