

<b>No lines on faces of the cube (<math>ax + by + cz = 0</math>)</b>							
<b>a</b>	<b>b</b>	<b>c</b>					
0.42	0.68	0.35					
0.01	0.70	0.25					
0.79	0.59	0.63					
<b>Planes intersect with all faces of cube (<math>ax + by + cz = 0</math>)</b>							
<b>a</b>	<b>b</b>	<b>c</b>					
0.93	0.83	0.22					
0.54	0.69	0.48					
0.45	0.63	0.58					
<b>Intersection of 2 planes and faces of the cube (<math>ax + by + cz = 0</math>)</b>							
<b>a1</b>	<b>b1</b>	<b>c1</b>	<b>a2</b>	<b>b2</b>	<b>c1</b>	<b># of pts</b>	<b>Points</b>
1.40	1.59	2.05	04.31	4.78	-1.93	0	
1.74	-1.13	-4.78	2.46	4.25	-4.27	0	
-2.29	3.30	2.78	0.74	-04.02	0.13	0	
4.42	2.25	4.67	-3.04	-0.14	-4.06	2	(-01.00, 00.46, 00.75); (01.00, -00.46, -00.75)
-1.56	0.24	0.88	0.81	2.97	2.99	2	(00.33, -01.00, 00.96); (-00.33, 01.00, -00.96)
-2.18	0.90	2.99	-4.90	-3.42	-0.27	2	(00.68, -01.00, 00.80); (-00.68, 01.00, -00.80)
0.85	2.35	1.55	-1.44	-4.84	-3.68	4	(-1.00, 0.79, -0.64); (-1.00, 0.83, -0.70); (1.00, -0.83, 0.70); (1.00, -0.79, 0.64)
0.06	-1.62	-4.95	-0.13	1.78	4.70	4	(-1.00, -0.57, 0.18); (-1.00, -0.53, 0.17); (1.00, 0.53, -0.17); (1.00, 0.57, -0.18)
3.67	1.94	1.65	-1.32	-1.14	-0.97	4	(-0.02, 0.90, -1.00); (0.02, 0.87, -1.00); (-0.02, -0.87, 1.00); (0.02, -0.90, 1.00);
4.05	-2.20	-0.11	4.76	-2.39	0.15	20	(-0.53, -1.00, 0.80); (-0.53, -1.00, 0.81); (-0.53, -1.00, 0.82); (-0.53, -1.00, 0.83); (-0.53, -1.00, 0.84); (-0.53, -1.00, 0.85); (-0.53, -1.00, 0.86); (-0.53, -1.00, 0.87); (-0.53, -1.00, 0.88); (-0.53, -1.00, 0.89); (0.53, 1.00, -0.89); (0.53, 1.00, -0.88); (0.53, 1.00, -0.87); (0.53, 1.00, -0.86); (0.53, 1.00, -0.85); (0.53, 1.00, -0.84); (0.53, 1.00, -0.83); (0.53, 1.00, -0.82); (0.53, 1.00, -0.81); (0.53, 1.00, -0.80)

0.75	-0.45	-1.30	-2.34	0.91	3.92	20	(-1.00, 0.30, -0.69); (-1.00, 0.31, -0.69); (-1.00, 0.32, -0.69); (-1.00, 0.33, -0.69); (-1.00, 0.34, -0.69); (-1.00, 0.35, -0.69); (-1.00, 0.36, -0.69); (-1.00, 0.37, -0.69); (-1.00, 0.38, -0.69); (-1.00, 0.39, -0.69); (1.00, -0.39, 0.69); (1.00, -0.38, 0.69); (1.00, -0.37, 0.69); (1.00, -0.36, 0.69); (1.00, -0.35, 0.69); (1.00, -0.34, 0.69); (1.00, -0.33, 0.69); (1.00, -0.32, 0.69); (1.00, -0.31, 0.69); (1.00, -0.30, 0.69)
-0.12	2.65	2.14	0.29	2.49	1.80	20	(-0.69, 0.80, -1.00); (-0.68, 0.80, -1.00); (-0.67, 0.80, -1.00); (-0.66, 0.80, -1.00); (-0.65, 0.80, -1.00); (-0.64, 0.80, -1.00); (-0.63, 0.80, -1.00); (-0.62, 0.80, -1.00); (-0.61, 0.80, -1.00); (-0.60, 0.80, -1.00); (0.60, -0.80, 1.00); (0.61, -0.80, 1.00); (0.62, -0.80, 1.00); (0.63, -0.80, 1.00); (0.64, -0.80, 1.00); (0.65, -0.80, 1.00); (0.66, -0.80, 1.00); (0.67, -0.80, 1.00); (0.68, -0.80, 1.00); (0.69, -0.80, 1.00)
<b>Line does not exist (ax + by + c = 0)</b>							
a	b	c					
32.84	-52.68	-96.63					
20.86	-6.20	24.27					
-87.68	94.11	77.66					
<b>Intersection of 2 lines (ax + by + c = 0)</b>							
<b>a1</b>	<b>b1</b>	<b>c1</b>	<b>a2</b>	<b>b2</b>	<b>c1</b>	<b># of pts</b>	<b>Points</b>
0.08	0.78	0.09	-0.47	-0.75	-0.38	0	
0.55	0.92	0.39	-0.08	-0.95	0.48	0	
0.41	0.14	-1.14	1.13	0.98	-1.75	0	
0.59	0.79	0.59	1.00	1.00	0.41	1	(1.29, -1.70)
1.00	0.37	0.31	0.16	1.00	0.88	1	(-0.07, -0.88)
0.48	1.00	0.56	1.00	0.45	0.05	1	(0.19, -0.60)

0.31	1.00	0.63	1.00	0.34	0.91	2	(-0.82, -0.39); (-0.79, -0.42);
0.36	1.00	0.15	1.00	0.80	0.25	2	(-0.25, -0.09); (-0.17, -0.12);
0.32	-01.17	0.07	1.55	-1.48	-0.47	2	(00.49, 00.18); (00.50, 00.20);
0.30	1.00	0.53	0.32	0.28	0.74	10	(-2.49, 0.19); (-2.48, 0.19); (-2.47, 0.19); (-2.46, 0.19); (-2.45, 0.19); (-2.44, 0.19); (-2.43, 0.19); (-2.42, 0.19); (-2.41, 0.19); (-2.40, 0.19)
0.22	1.00	0.93	0.85	0.62	0.06	10	(0.70, -1.07); (0.71, -1.07); (0.72, -1.07); (0.73, -1.07); (0.74, -1.07); (0.75, -1.07); (0.76, -1.07); (0.77, -1.07); (0.78, -1.07); (0.79, -1.07)
0.66	1.00	0.57	0.98	0.49	0.98	10	(-1.09, 0.09); (-1.08, 0.09); (-1.07, 0.09); (-1.06, 0.09); (-1.05, 0.09); (-1.04, 0.09); (-1.03, 0.09); (-1.02, 0.09); (-1.01, 0.09); (-1.00, 0.09)