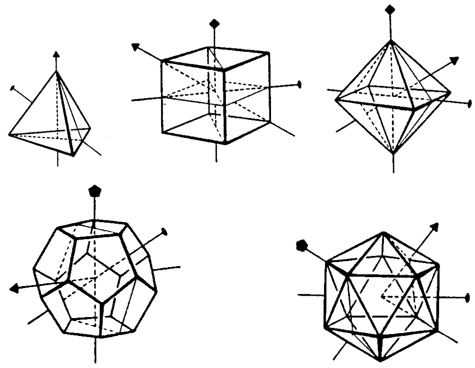
2.4.3. Koordinationspolyeder, reguläre Polyeder

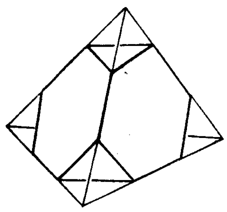
Platonische Körper (reguläre Polyeder)

	Name	Punkt-gruppe	Anzahl der			
			Seiten/Fl.	Ecken	Kanten	Flächen
a	Tetraeder	$\bar{4}3m$	3	4	6	4
b	Würfel	m3m	4	8	12	6
c	Oktaeder	m3m	3	6	12	8
d	Pentagon-dodekaeder	-	5	20	30	12
e	Ikosaeder	-	3	12	30	20

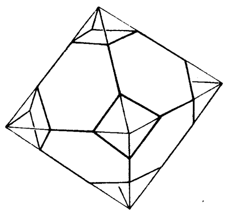


Archimedische Körper (halbreguläre Polyeder)

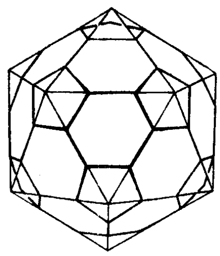
	Name	Flächen	Ecken
a	abgestumpftes Tetraeder	4 6-Ecke, 4 3-Ecke	12
b	abgestumpftes Oktaeder	8 6-Ecke, 6 4-Ecke	24
c	abgestumpftes Ikosaeder	20 6-Ecke, 12 Fünfecke	60
d	abgestumpfter Würfel	6 8-Ecke, 8 3-Ecke	24
e	abgestumpftes Dodekaeder	12 10-Ecke, 20 3-Ecke	60
f	Rhombenkuboktaeder	18 4-Ecke, 8 3-Ecke	24
g	Kuboktaeder	8 3-Ecke, 6 4-Ecke	12
h	Ikosidodekaeder	20 3-Ecke, 12 5-Ecke	30
i	abgeschrägter Würfel	32 3-Ecke, 6 4-Ecke	24
j	abgeschrägtes Dodekaeder	80 3-Ecke, 12 5-Ecke	60
k	abgestumpftes Kuboktaeder	6 8-Ecke, 8 6-Ecke, 12 4-Ecke	48
l	abgestumpftes Ikosidodekaeder	12 10-Ecke, 20 6-Ecke, 30 4-Ecke	120
m	Rhombenikosidodekaeder	12 5-Ecke, 20 3-Ecke, 30 4-Ecke	60
n	archimedische Prismen	2 n-Ecke, n Vierecke	2n
o	archimedische Antiprismen	2 n-Ecke, 2n Dreiecke	2n



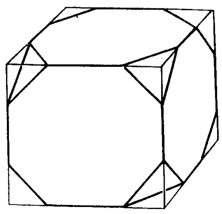
a) abgest. Tetraeder



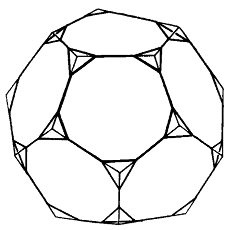
b) abges. Oktaeder



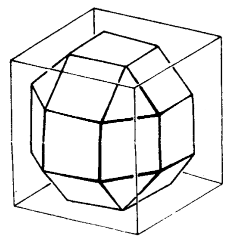
c) abgest. Ikosaeder



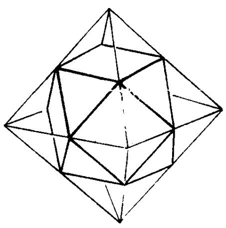
d) abgest. Würfel



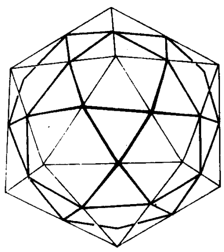
e) abgest. Dodekaeder



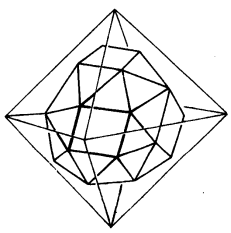
f) Rhombenkuboktaeder



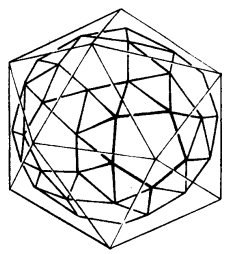
g) Kuboktaeder



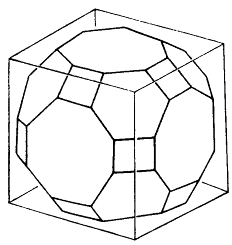
h) Ikosidodekaeder



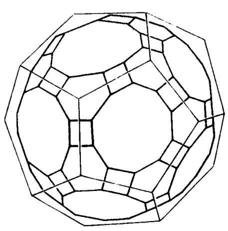
i) abgeschr. Würfel



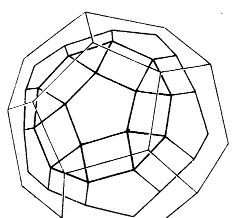
j) abgeschr. Dodekaeder



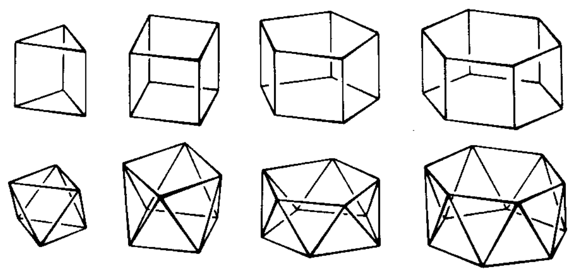
k) abgest. Kuboktaeder



l) abgest. Ikosidodekaeder



m) Rhombenikosidodekaeder



n) und o) archimedische Prismen und Antiprismen