

85° 30'). The existence of these forms is, however, for the reason above mentioned, extremely doubtful.

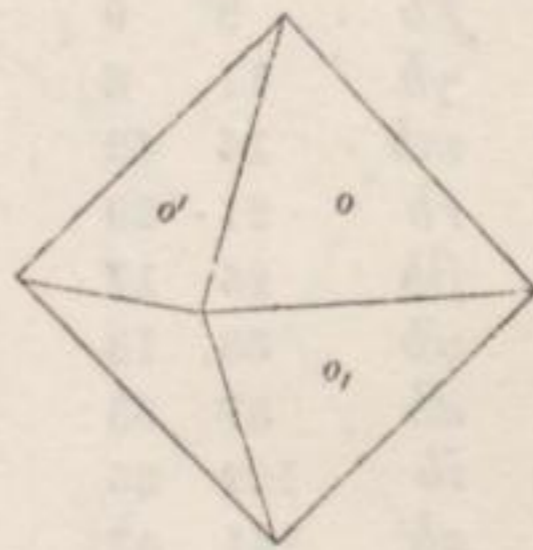
126. PERICLASE.—Periclasé; Dufrenoy. Periclas; Hausmann, Haidinger.

Cubic.

a 100 cleavage, o 111.

aa'	90°	o'
oo'	70	32
oa	54	44

FIG. 268.



Cleavage. a , very perfect. Transparent. Lustre vitreous. Dark green.

$H = 6.0$. $G = 3.75$.

Infusible before the blowpipe. In powder soluble in acids.

Mg, magnesium 61.20, oxygen 38.80.

Analyses a by Scacchi, b , c by Damour:—

	a	b	c
Magnesia	89.04	92.57	91.18
Protoxide of iron .	8.56	6.22	5.67
Insoluble matter .	—	0.86	2.10

Was found on Monte Somma near Naples.

127. QUARTZ.—Quartz; Phillips. Rhomboedrischer Quarz; Mohs. Quarz; Hauy, Hausmann, Haidinger.

Rhombohedral. $100, 111 = 51^\circ 47'$. (γ_0)

o 111 twin-face, a $01\bar{1}$, k $11\bar{4}\bar{7}$, r 100, z $\bar{1}22$, s $14\bar{2}$,
 i 011 , d 411 , β $13\bar{2}\bar{2}$, l $\bar{1}11$, λ $5\bar{1}\bar{1}$, m $7\bar{2}\bar{2}$, γ $3\bar{1}\bar{1}$,
 f $8\bar{3}\bar{3}$, ζ $13\bar{5}\bar{5}$, h $\bar{4}33$, ϕ $\bar{1}3\bar{8}\bar{8}$, ρ $\bar{7}44$, v $16\bar{5}\bar{8}$, x $4\bar{1}\bar{2}$,
 y $10\bar{2}\bar{5}$, u $8\bar{1}\bar{4}$, t $\bar{4}\bar{1}1\bar{2}$, θ $\bar{1}\bar{4}\bar{2}2\bar{7}$, p $\bar{1}0\bar{1}4\bar{5}$, e $\bar{4}52$,
 w $\bar{1}\bar{4}\bar{1}6\bar{7}$, q $\bar{1}\bar{6}\bar{1}7\bar{8}$, μ $\bar{2}21$, n $\bar{8}54$, ξ $25\bar{1}$, δ $22\bar{1}9\bar{2}$,
 η $11\bar{1}4\bar{2}$.

The forms $v, x, y, u, s, t, p, \theta, w, q, \mu, n$ are hemihedral with asymmetric faces, occurring in one only of the two zones $r'z''b$, $r''z'b$, and in the same alternate lunes between b, b'', b', \dots