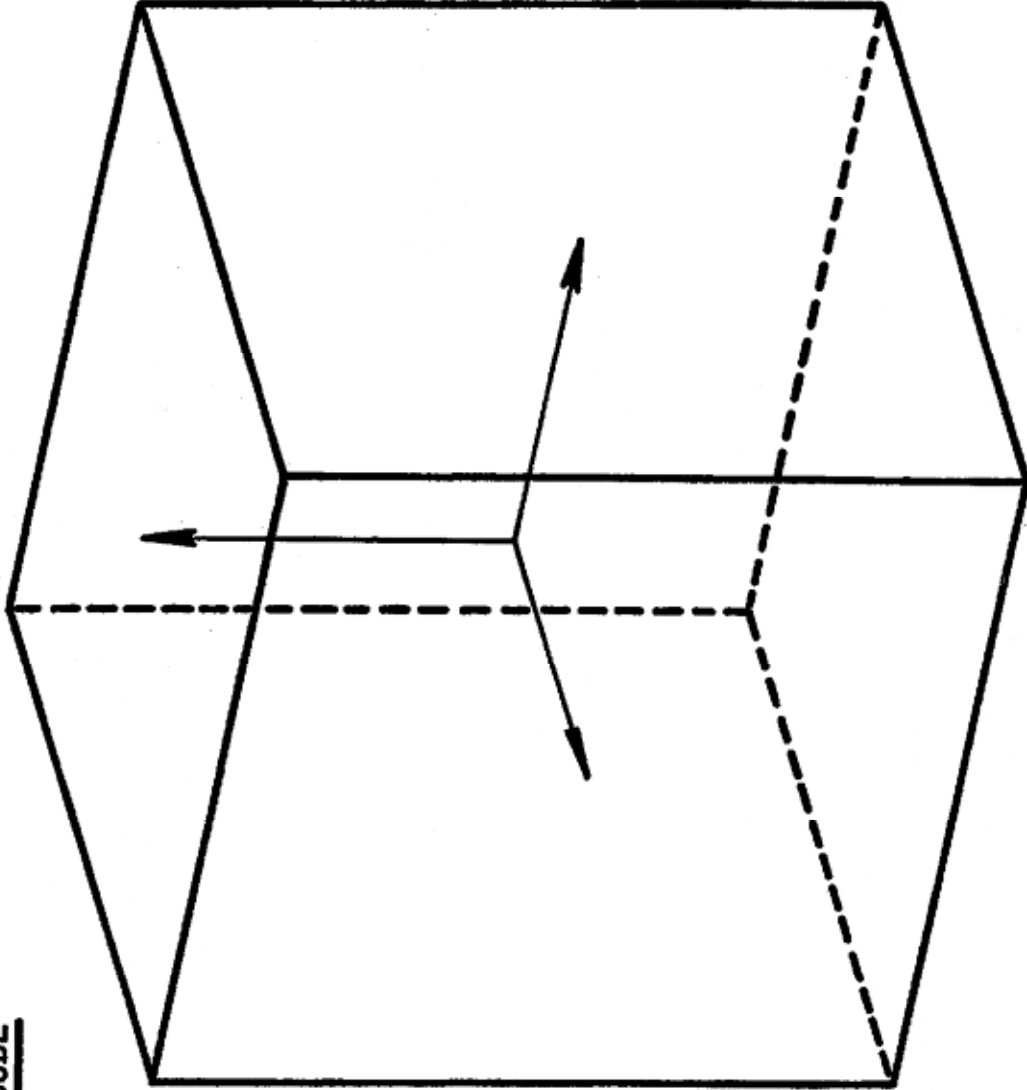


**Polèydres**  
**réguliers et**  
**dérivés**

CUBE



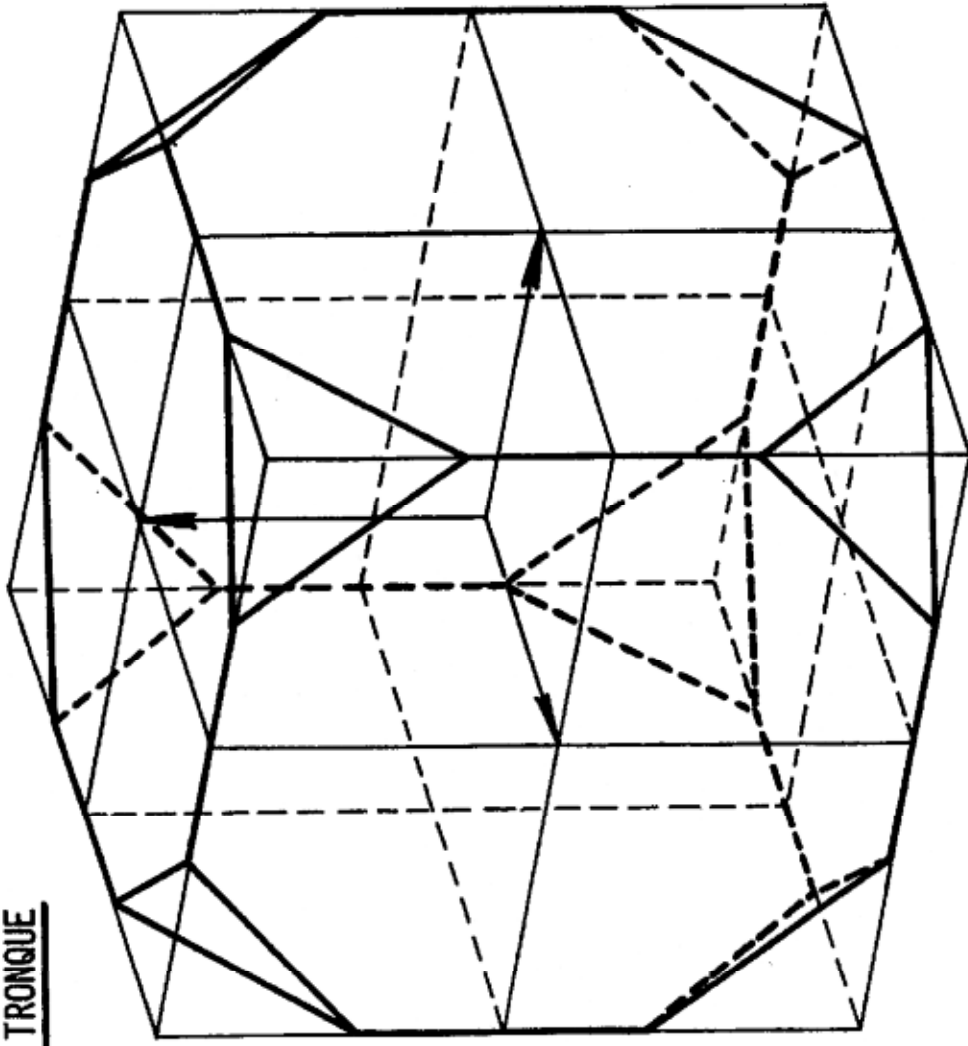
Orbite de  $B(1, 1, 1)$

Etoile 4 4 4

6 faces 12 arêtes

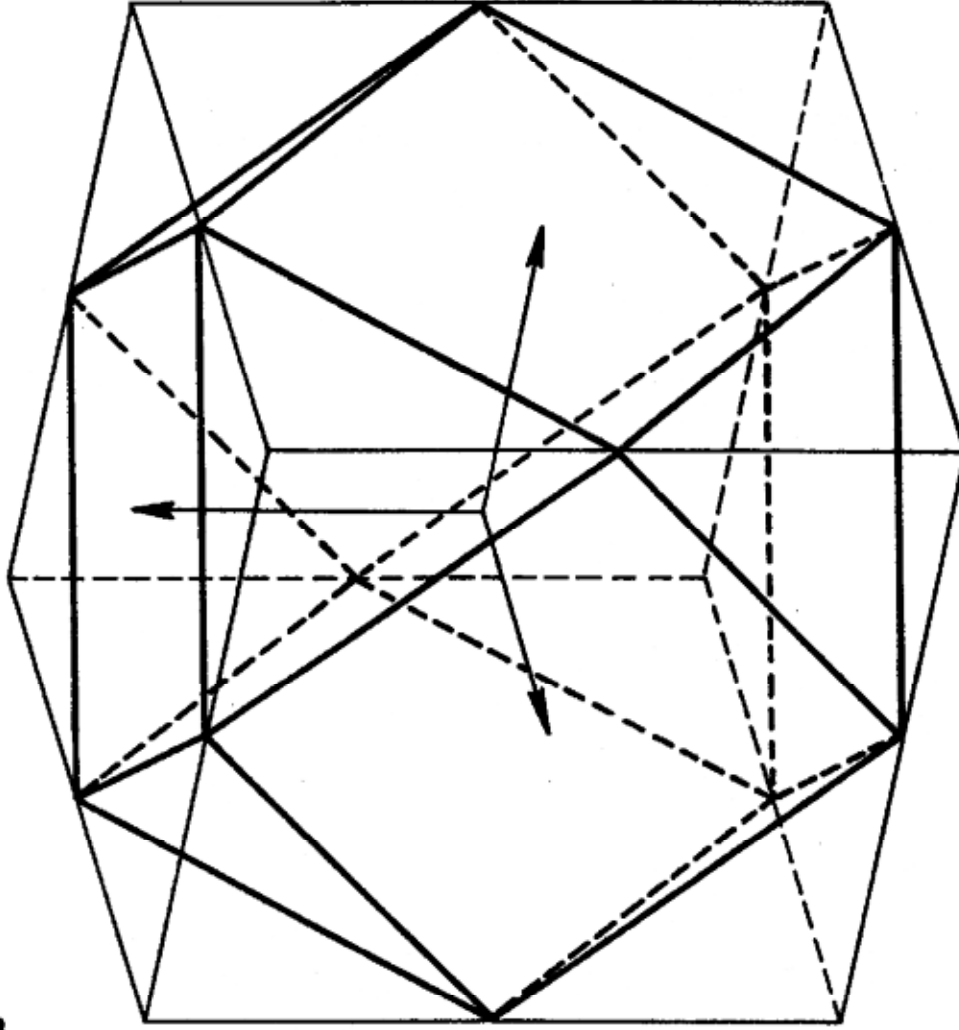
8 sommets

CUBE TRONQUE



Orbite de  $C'(1, 1, \sqrt{2} - 1)$   
Etoile 3 8 8  
14 faces, 36 arêtes,  
24 sommets

CUBOCTAEDRE



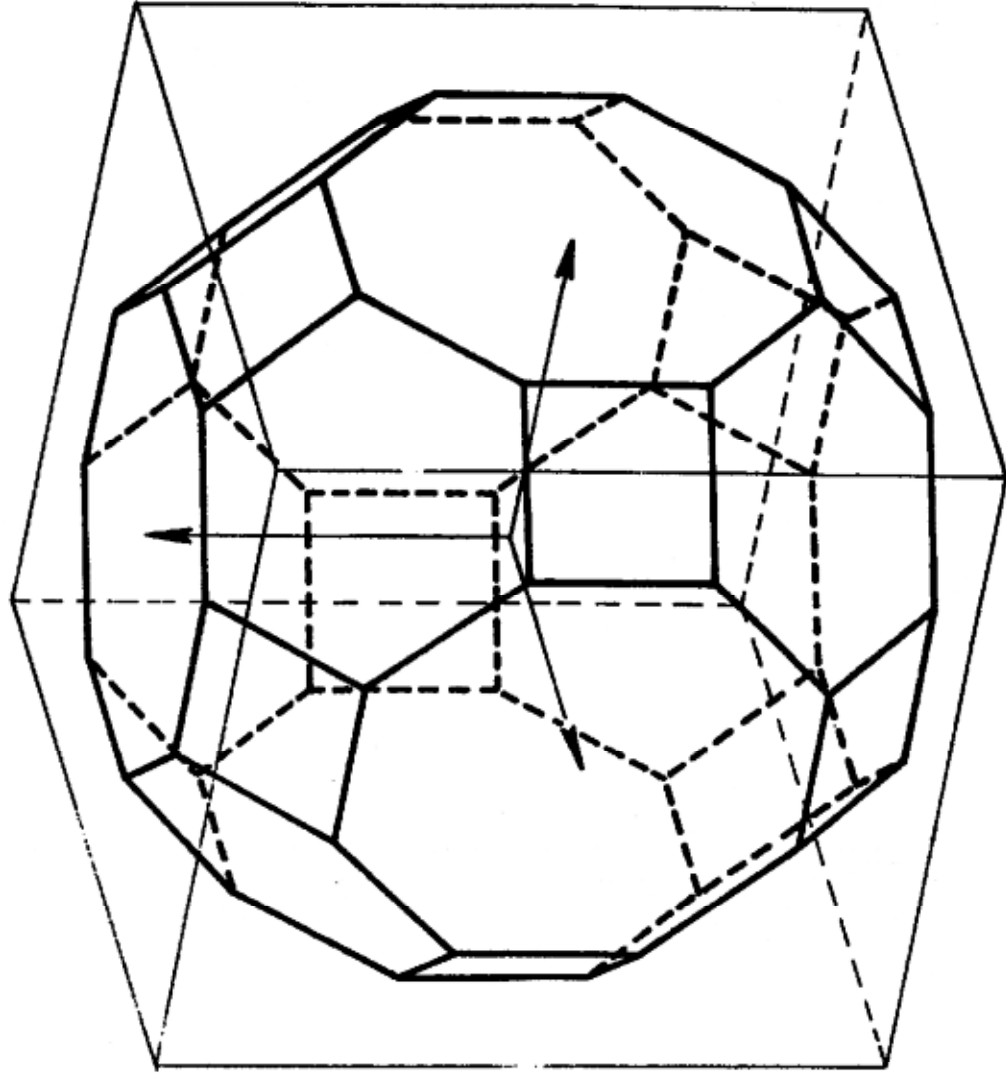
Orbite de  $A(1, 1, 0)$

Etoile 3 4 3 4

14 faces 24 arêtes

12 sommets

CUBOCTAEDRE TRONQUE



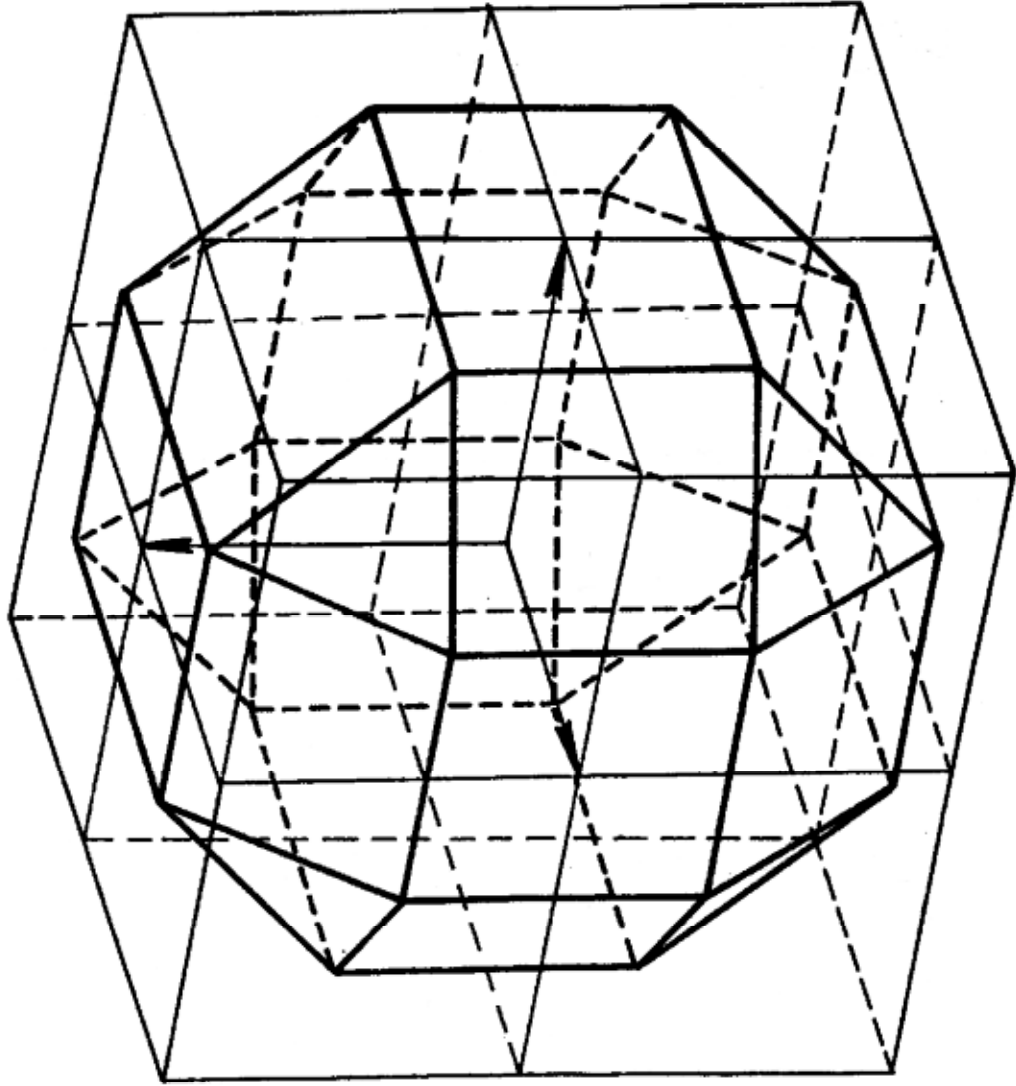
Orbite de  $I(1; \frac{3+\sqrt{2}}{7}; \frac{2\sqrt{2}-1}{7})$

Etoile 4 6 8

26 faces, 72 arêtes,

48 sommets

RHOMBICUBOCTAEDRE



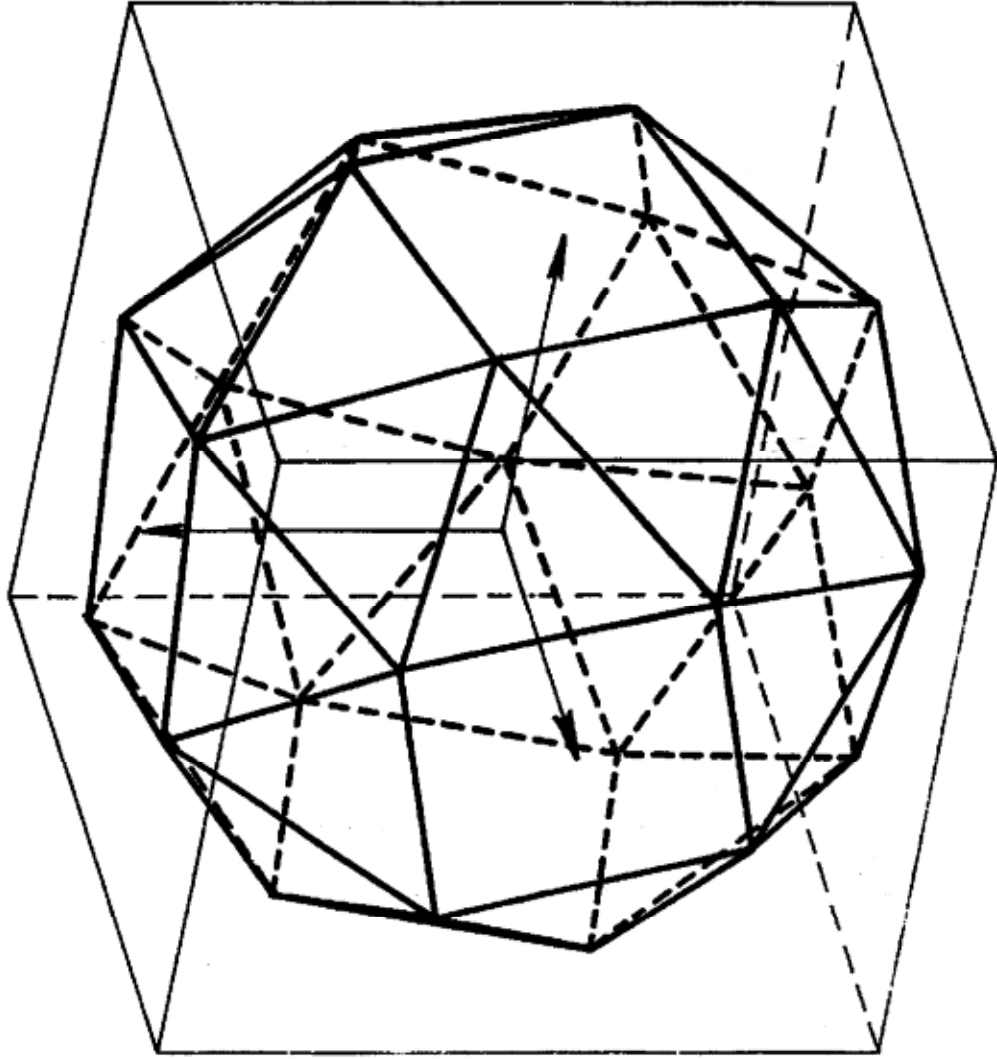
Orbite de A' (1;  $\sqrt{2}$ -1;  $\sqrt{2}$ -1)

Etoile 3 4 4 4

26 faces, 48 arêtes,

24 sommets

CUBE CAMARD



Orbite de

$$X(1, a, b) = (1; 0, 631; 0, 261)$$

$$b^3 + b^2 + 3b - 1 = 0$$

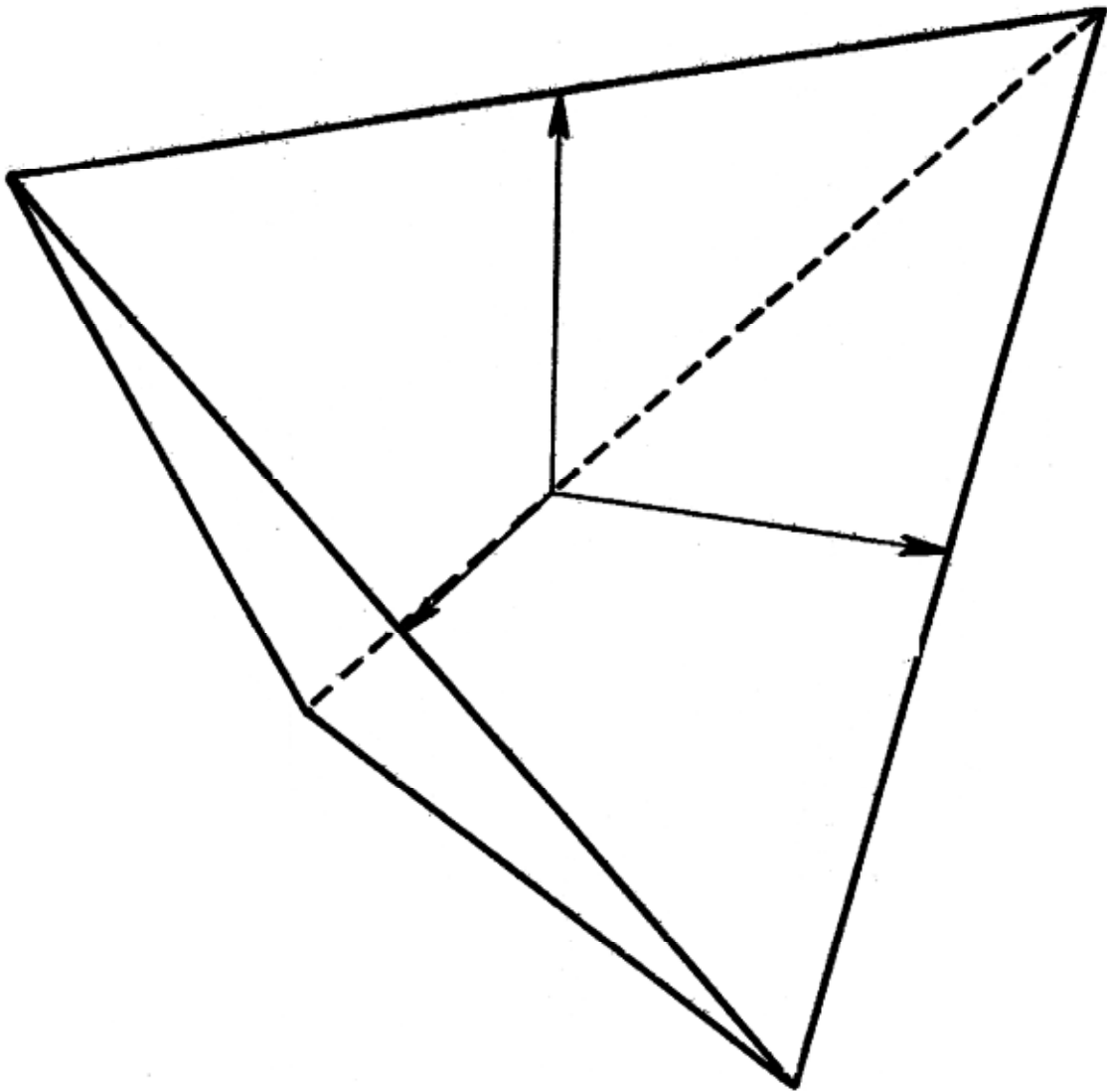
$$a = \frac{b^2 + 1}{2}$$

Etoile 3 3 3 3 4

38 faces, 60 arêtes,

24 sommets

# TETRAEDRE



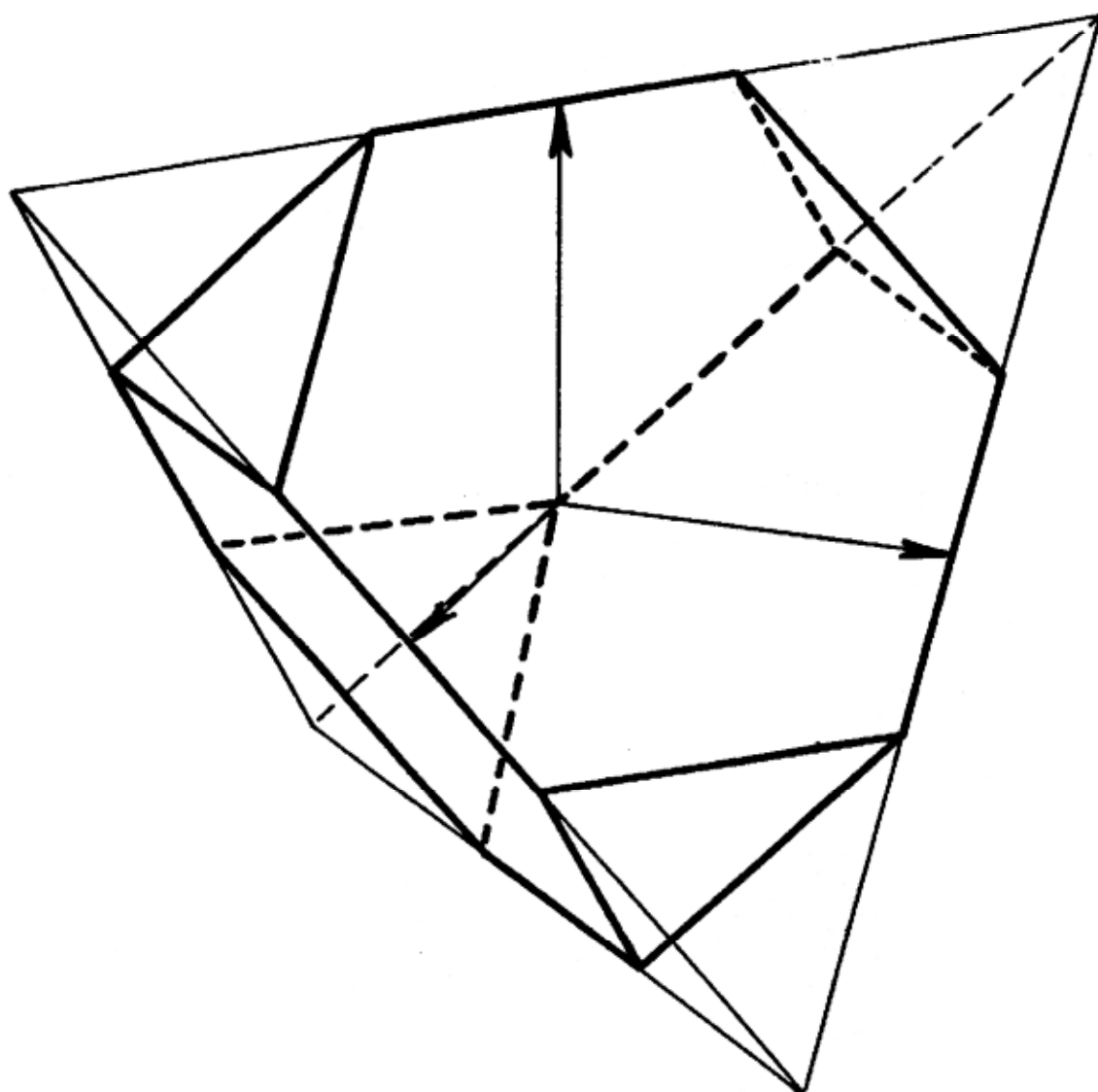
Orbite de  $B(1, 1, -1)$

Etoile 3 3 3

4 faces 5 arêtes 4 sommets



## TETRAEDRE TRONQUE

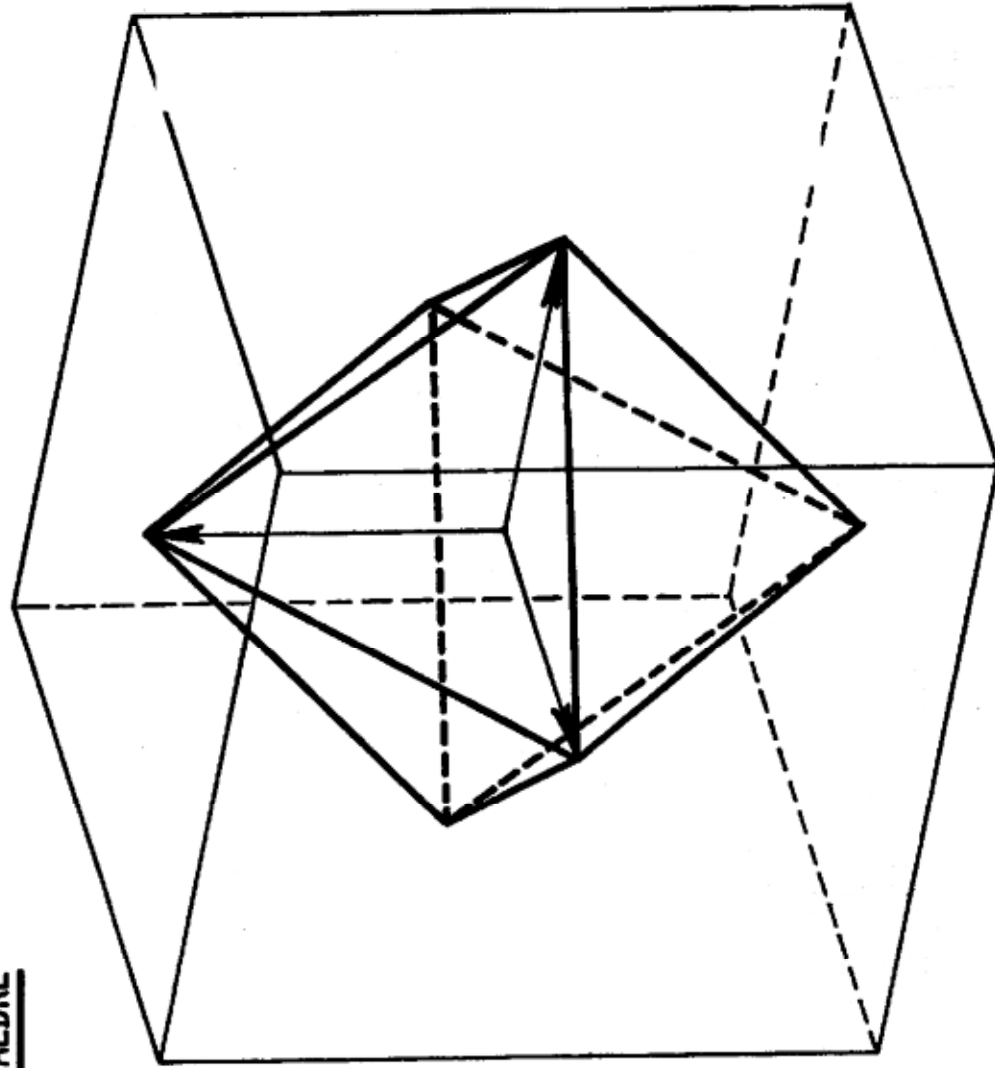


Orbite de  $C'(1, \frac{1}{3}, -\frac{1}{3})$

Etoile 3 6 6

8 faces 18 arêtes 12 sommets

OCTAEDRE



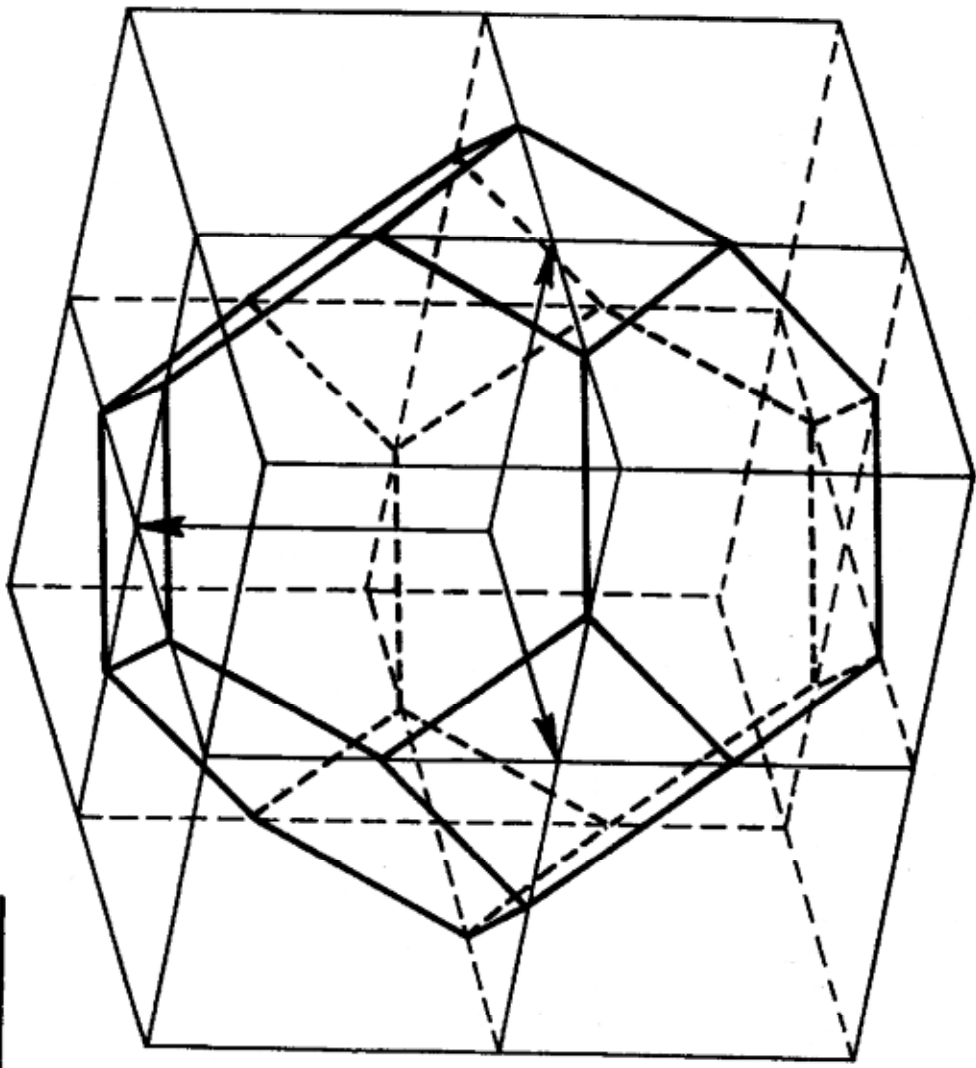
Orbite de  $C(1, 0, 0)$

Etoile 3 3 3 3

8 faces 12 arêtes

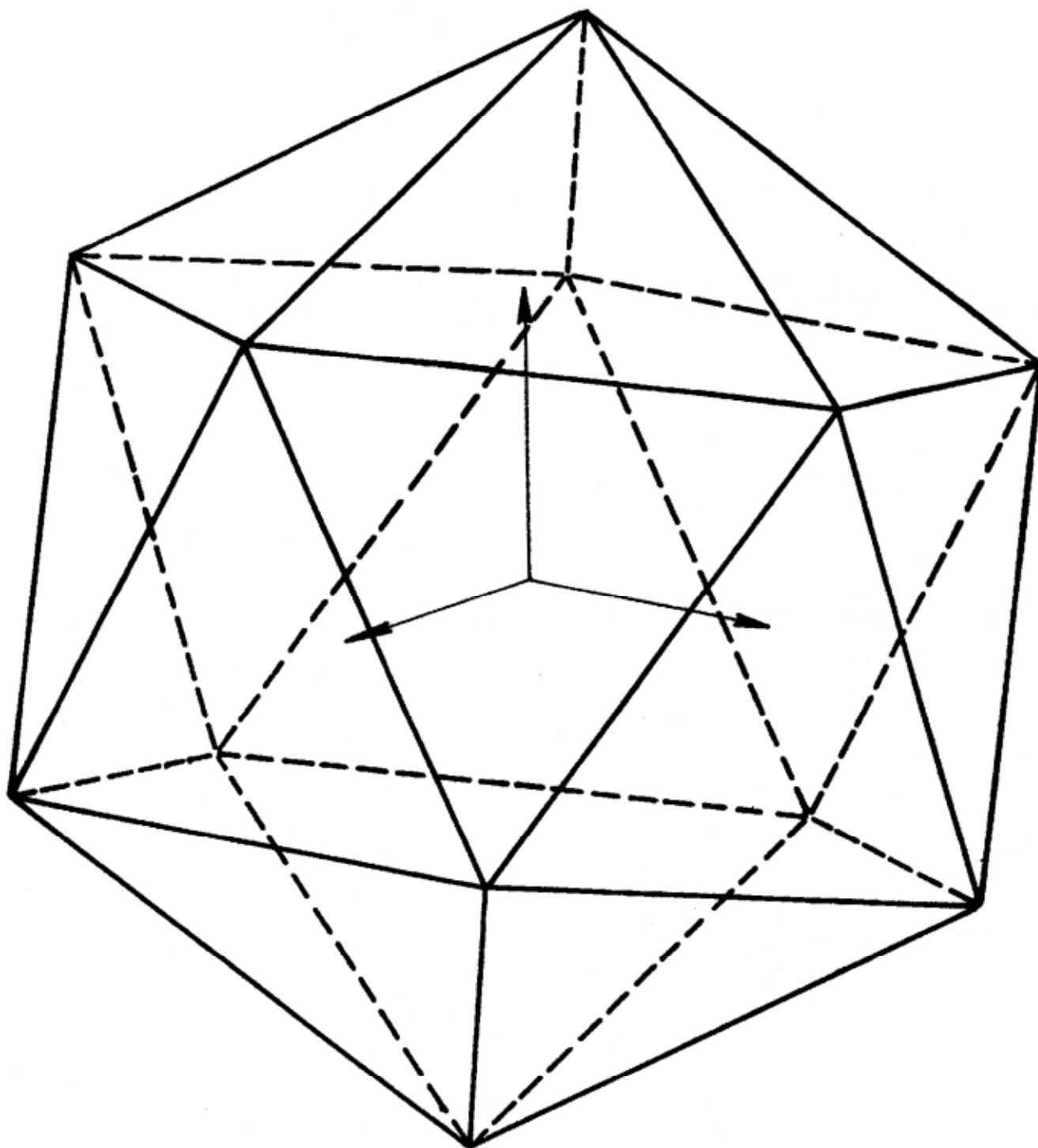
6 sommets

OCTAEDRE TRONQUE



Orbite de  $B'(1, \frac{1}{2}, 0)$   
Stoile 4 6 6  
14 faces, 36 arêtes,  
24 sommets

# ICOSAEDRE

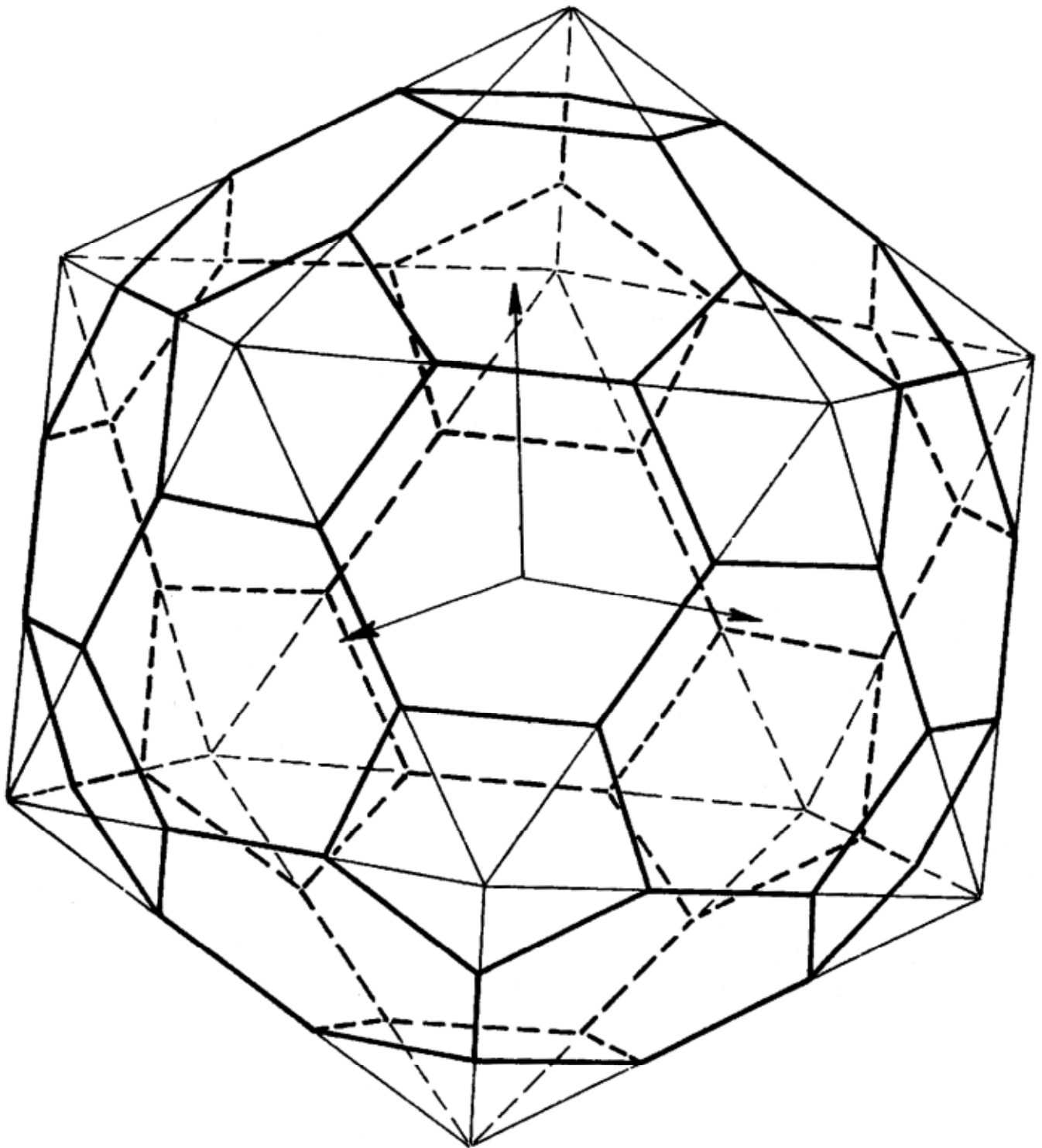


Orbite de  $C\left(\frac{1}{\sqrt{3}}, 1, -\frac{1}{\sqrt{3}}\right) \approx (1,512; 1; -0,577)$

Etoile 3 3 3 3 3

20 faces, 30 arêtes, 12 sommets

# ICOSAEDRE TRONQUE

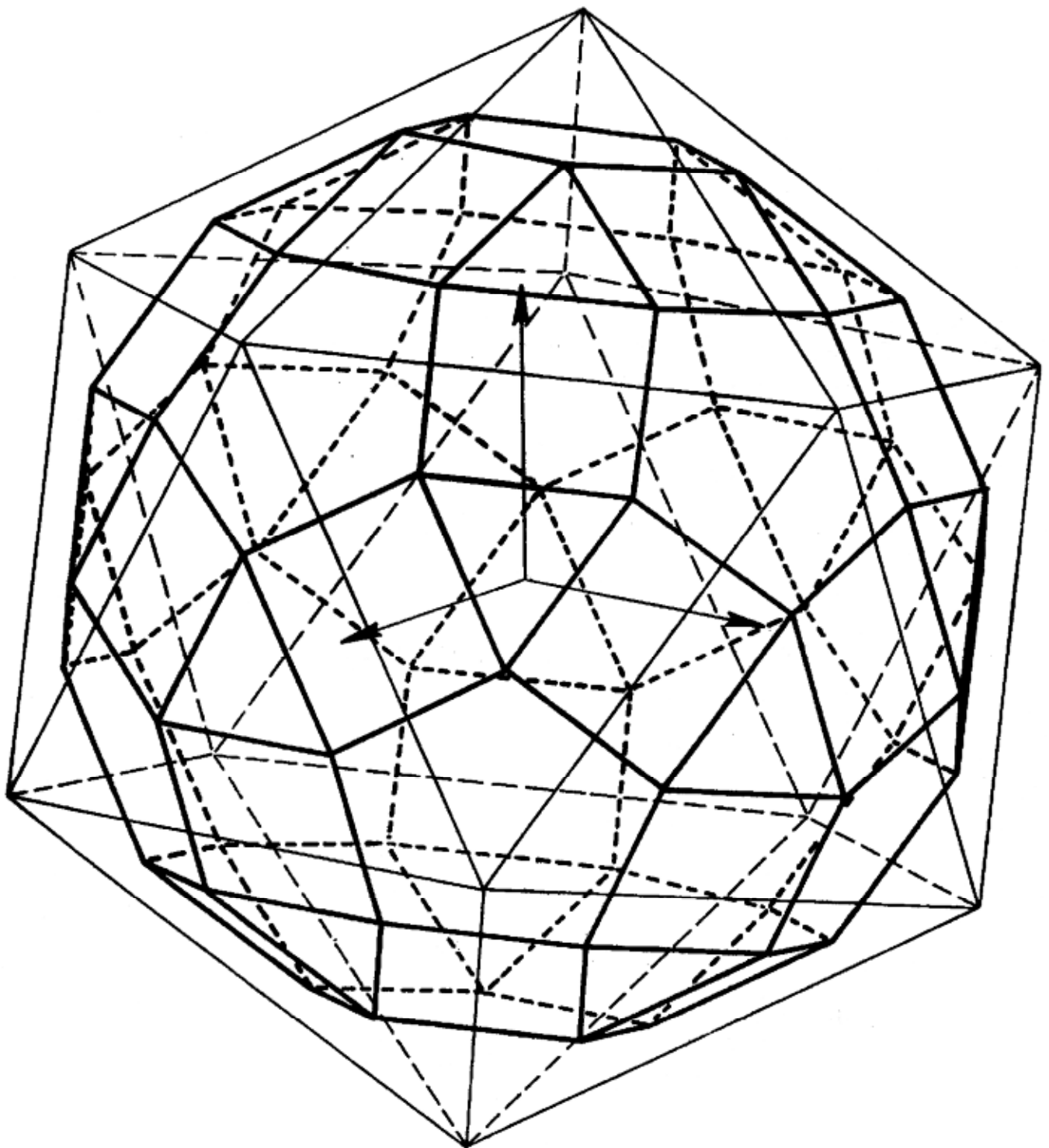


Orbite de  $B' \left( \frac{r^2}{\sqrt{3}}, \frac{1}{3}, -\frac{1}{\sqrt{3}} \right) \approx (1,512; 0,333; -0,577)$

Etoile 5 6 6

32 faces, 90 arêtes, 60 sommets

# RHOMBICOSIDODECAEDRE

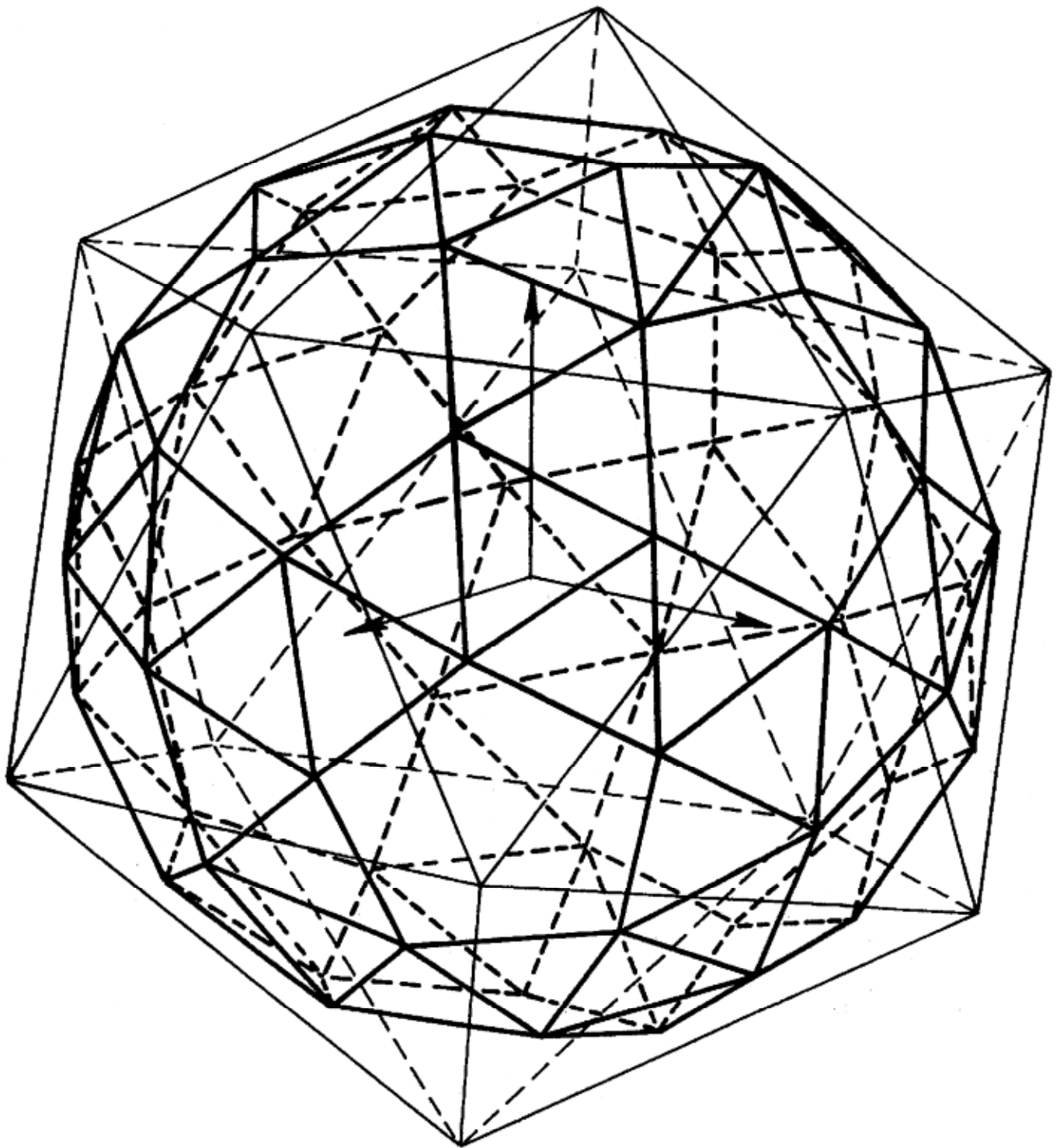


Orbite de  $A' \left( \frac{\tau^2}{\sqrt{3}}, \frac{\tau}{\tau+3}, \frac{1}{\sqrt{3}}, \frac{\tau}{\tau+3} \right) \approx (1,512; 0,350; -0,20$

Etoile 3 4 5 4

62 faces, 120 arêtes, 60 sommets

ICOSAEDRE CAMARD

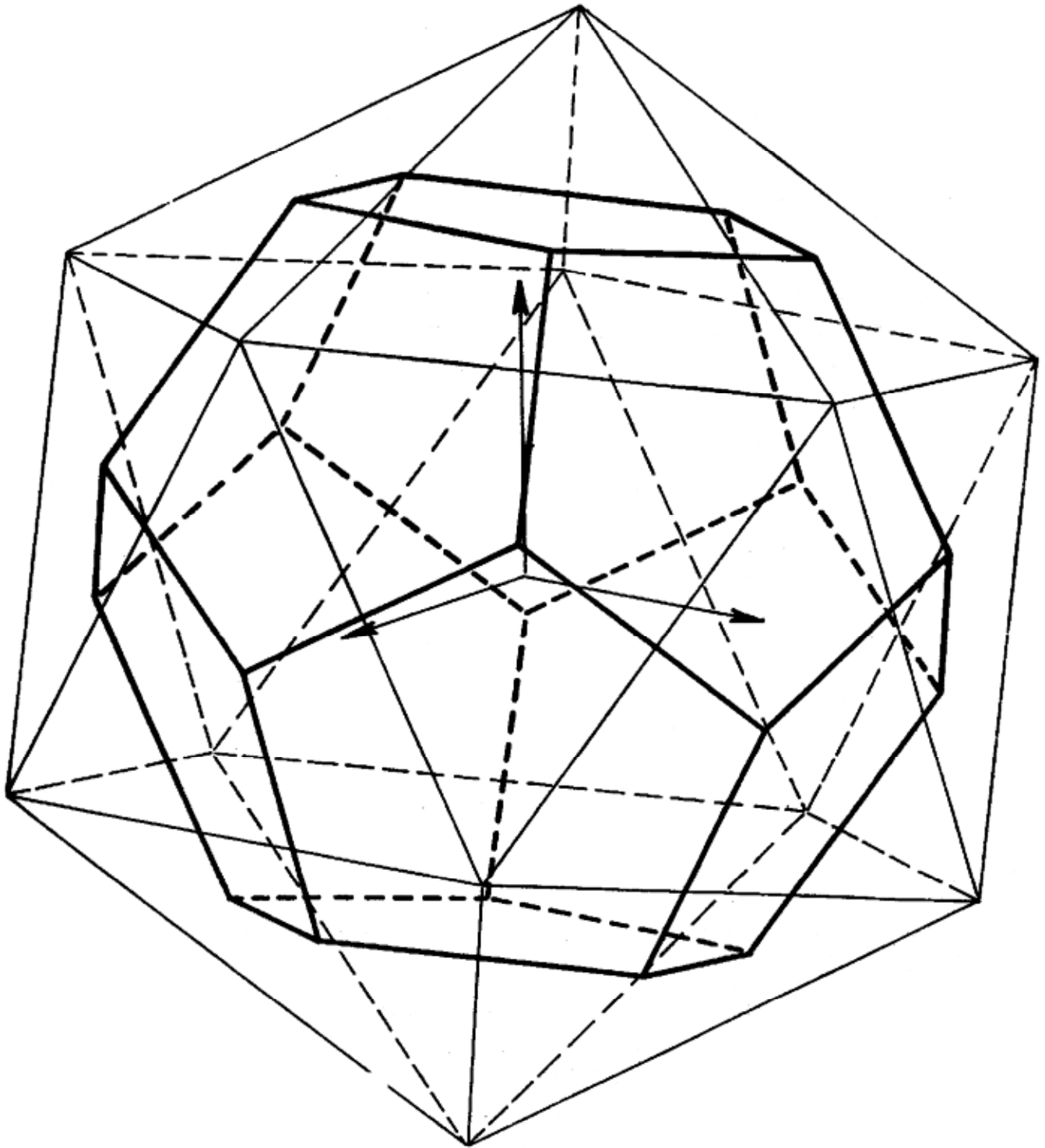


Orbite de  $X \cong (1,512; 0,273; -0,320)$

Etoile 3 3 3 3 5

92 faces, 150 arêtes, 60 sommets

# DODECAEDRE



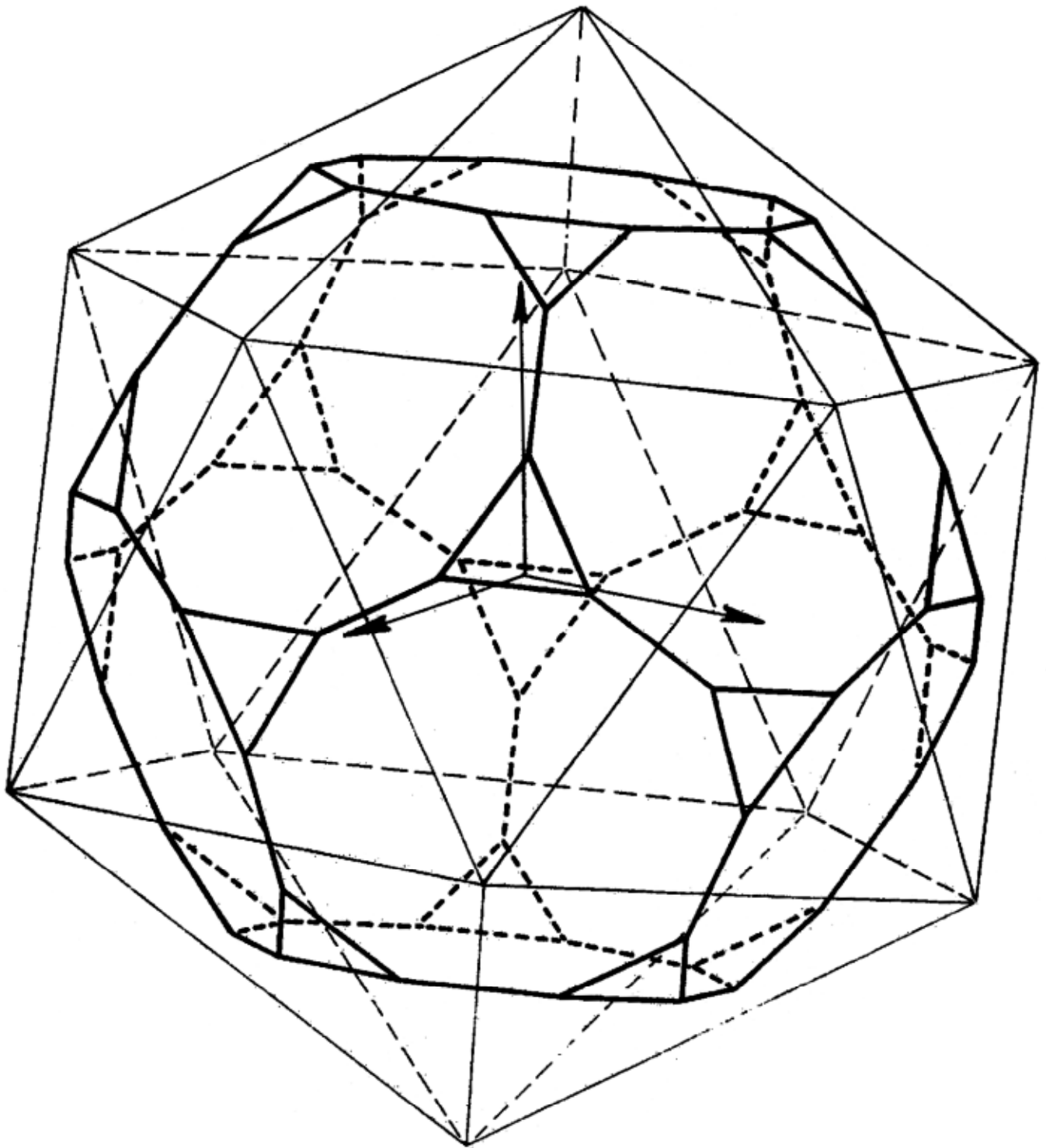
Orbite de  $B\left(\frac{1}{\sqrt{3}}, 0, 0\right) \cong (1, 512; 0; 0)$

Etoile 5 5 5

12 faces, 30 arêtes, 20 sommets



## DODECAEDRE TRONQUE

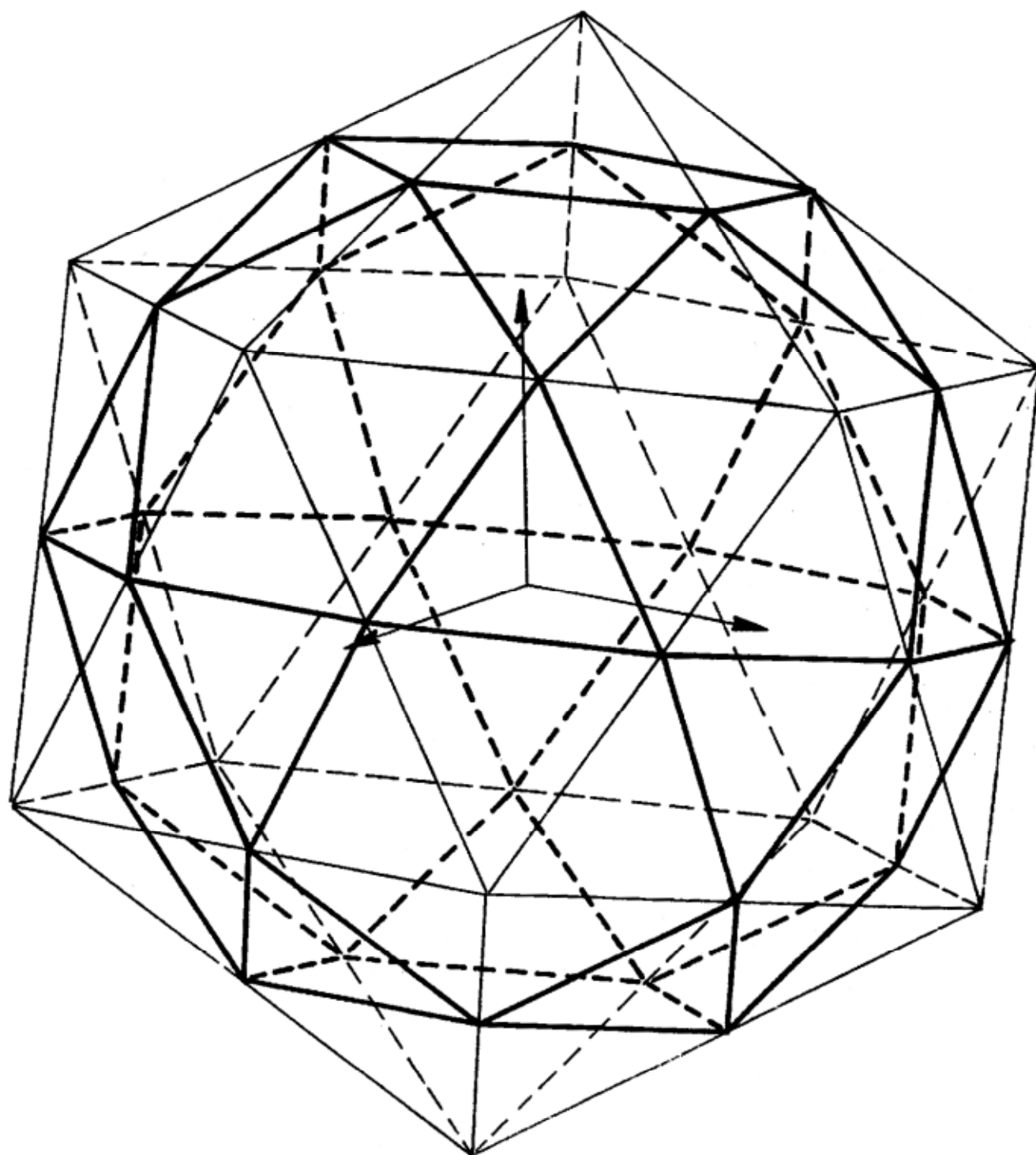


Orbite de  $C^2 \left( \frac{1}{\sqrt{3}}, 0, \frac{-2\tau}{\sqrt{3}(2\tau+3)} \right) \cong (1,512; 0; -0,300)$

Etoile 3 10 10

32 faces, 90 arêtes, 60 sommets

# ICOSIDODECAEDRE

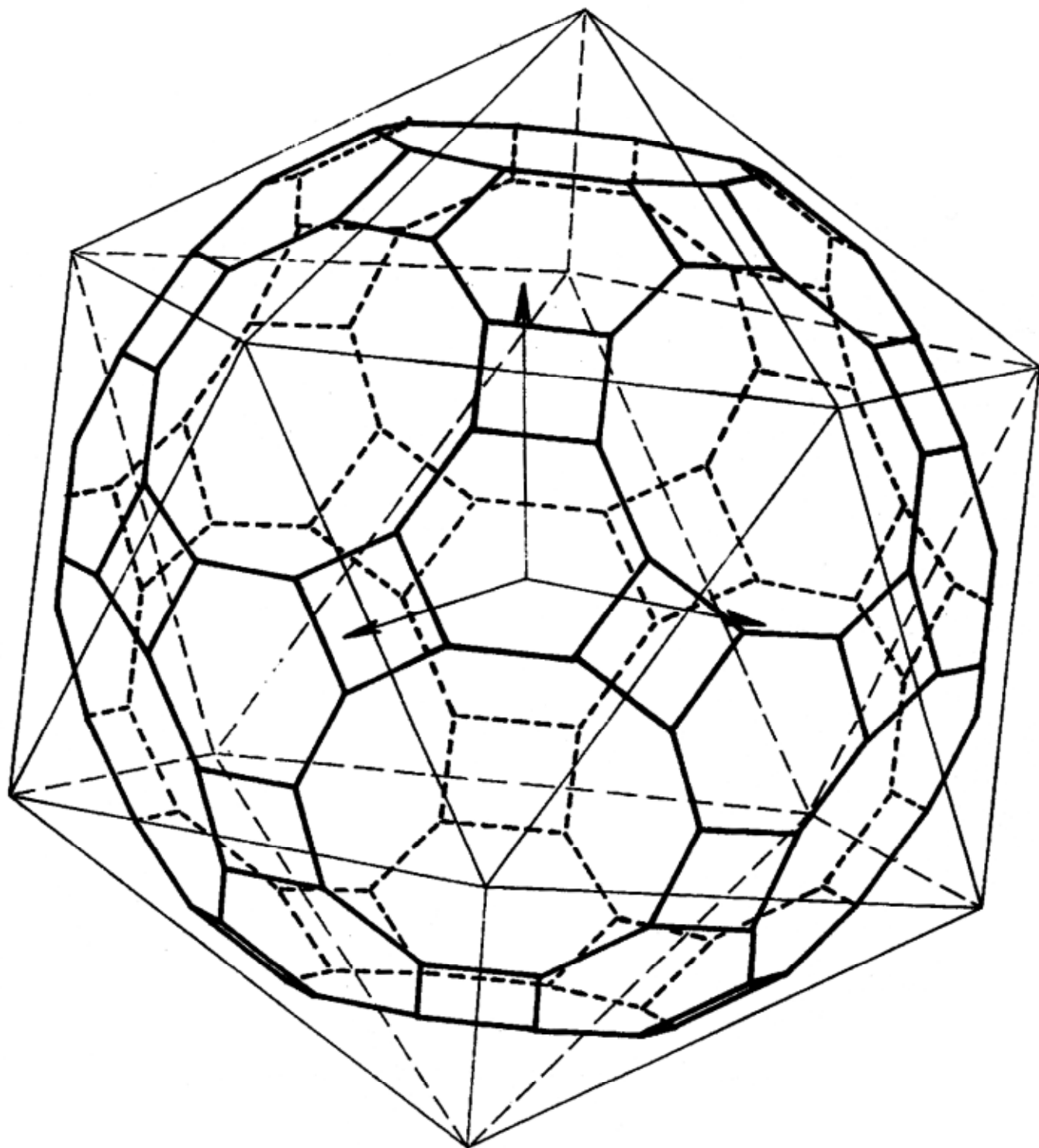


Orbite de  $A\left(\frac{r^2}{\sqrt{3}}, 0, -\frac{1}{\sqrt{3}}\right) \approx (1,512; 0; -0,577)$

Etoile 3 5 3 5

32 faces, 60 arêtes, 30 sommets

## ICOSIDODECAEDRE TRONQUE



Orbite de  $I\left(\frac{2}{\sqrt{3}}, \frac{1}{3i}, \frac{-\sqrt{3}}{3}\right) \approx (1,512; 0,206; 0,357)$

Etoile 4 6 10

62 faces, 180 arêtes, 120 sommets