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(12) **United States Design Patent**
Cook et al.

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(54) **OPTICAL FURNACE**

(71) Applicant: **Government of the United States, as represented by the Secretary of the Air Force**, Wright-Patterson AFB, OH (US)

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(**) Term: **15 Years**

(21) Appl. No.: **29/646,276**

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Related U.S. Application Data

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(51) **LOC (12) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/101**

(58) **Field of Classification Search**

USPC D13/101, 110, 117, 118, 123, 182, 184, D13/199; D9/430, 433, 499; D21/363, D21/385, 386

CPC G03B 21/56; G03B 37/04; C09K 11/883; H01S 3/16; H05B 3/44; H04N 5/74; H04N 7/00; H04N 7/18

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D236,234 S * 8/1975 Hansen D26/6
4,214,821 A * 7/1980 Termes G03B 15/00
352/69
5,023,725 A * 6/1991 McCutchen G03B 37/04
348/264

D429,544 S * 8/2000 Terry, III 30/2
6,141,034 A * 10/2000 McCutchen H04N 13/296
348/36
6,172,665 B1 * 1/2001 Bullister G06F 3/0213
345/163
D457,833 S * 5/2002 Juan D11/121
D459,404 S * 6/2002 Perez D21/713
D632,027 S * 2/2011 Johnston D30/121
D675,339 S * 1/2013 Kumpen D25/2
D718,727 S * 12/2014 Burek D13/199
9,188,850 B2 * 11/2015 Turner G03B 21/56
D799,602 S * 10/2017 deBrouwer D21/373
D800,236 S * 10/2017 Dillon D21/707

* cited by examiner

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(57) **CLAIM**

The ornamental design for an optical furnace, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of an optical furnace showing our new design.

FIG. 2 is a second perspective view of an optical furnace showing our new design.

FIG. 3 is a third perspective view of an optical furnace showing our new design.

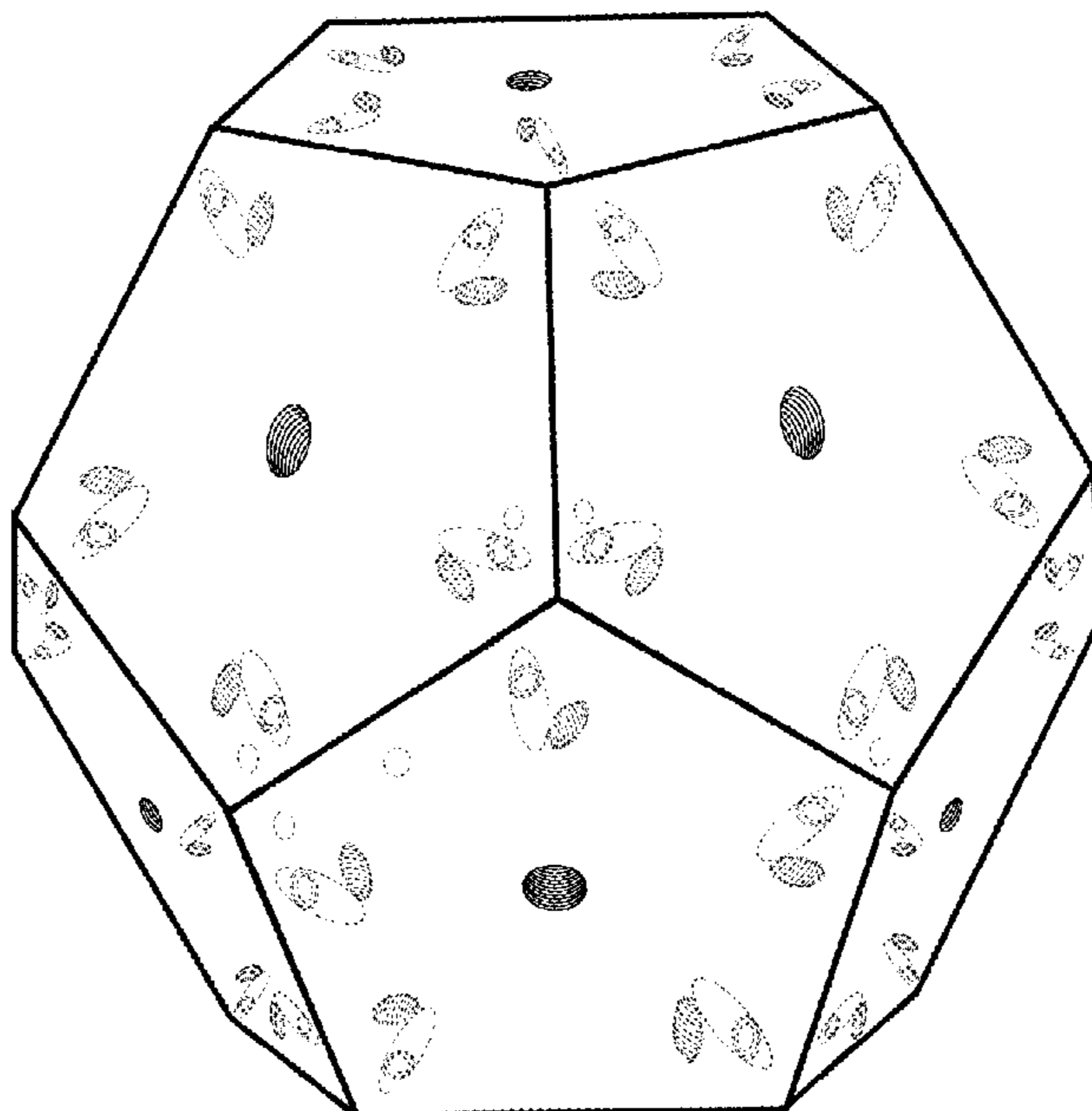
FIG. 4 is a fourth perspective view of an optical furnace showing our new design.

FIG. 5 is a top view of an optical furnace showing our new design; and,

FIG. 6 is a bottom view of an optical furnace showing our new design.

The broken lines shown represent the portions of the optical furnace that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



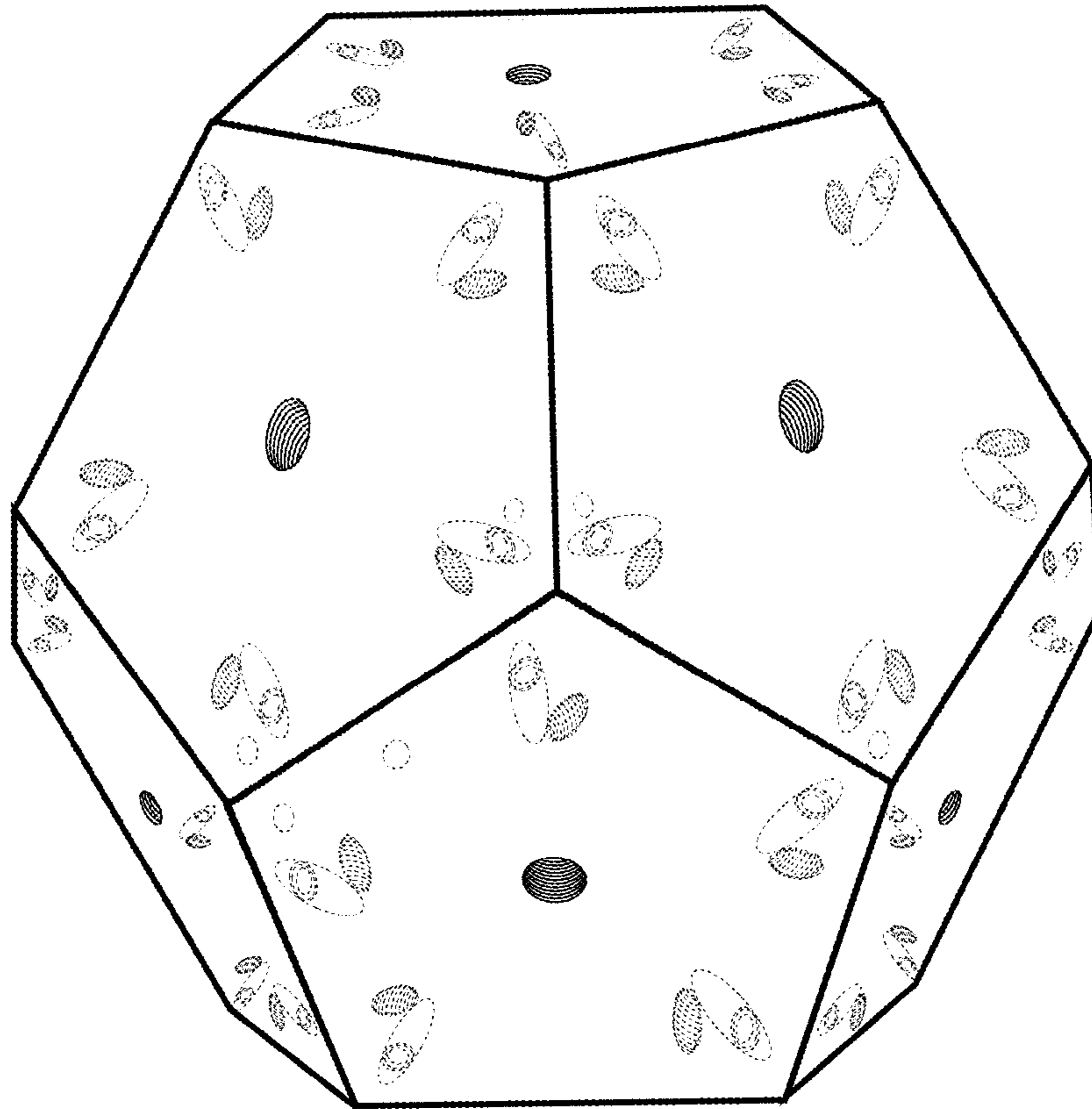


FIG. 1

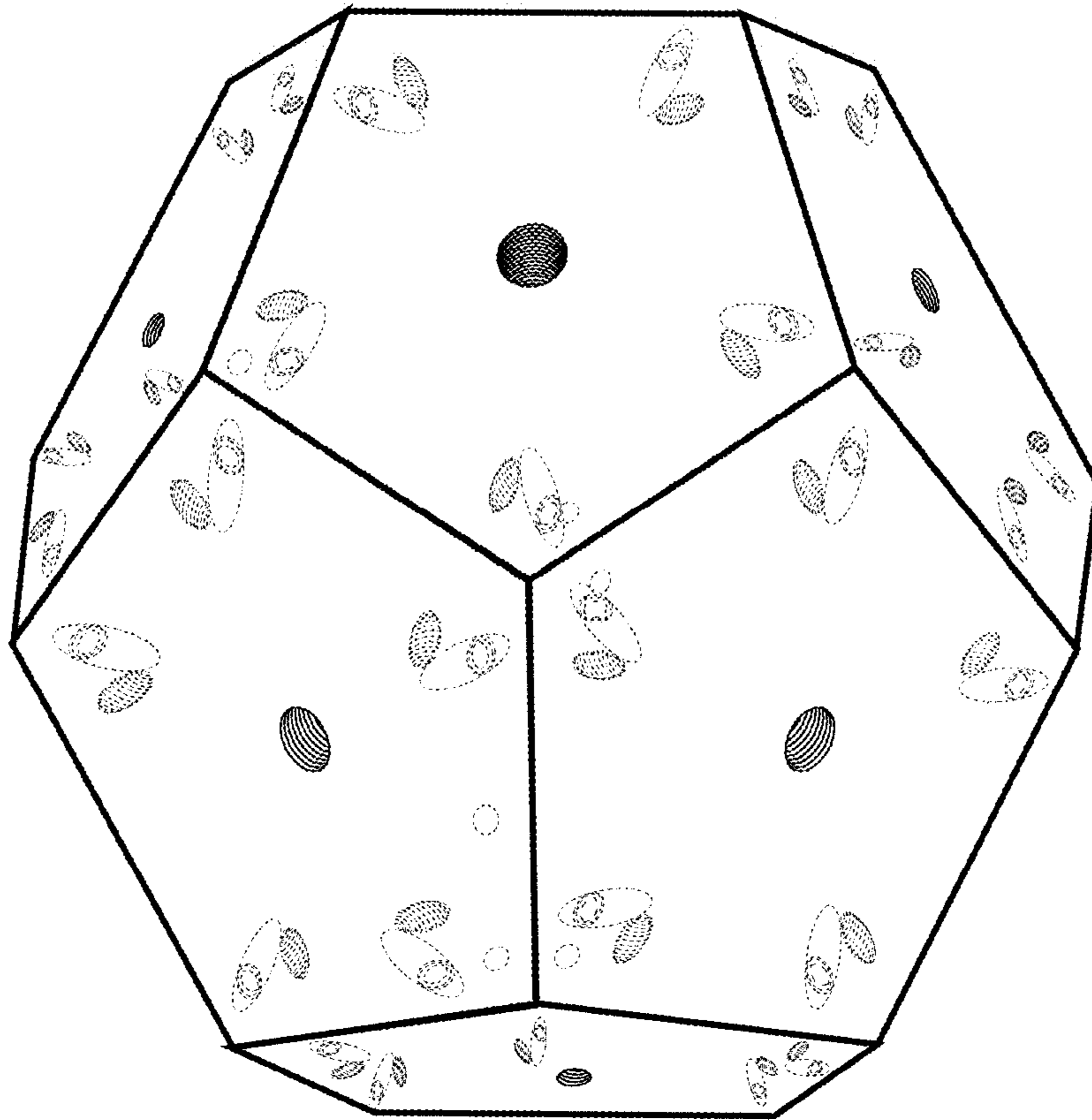


FIG. 2

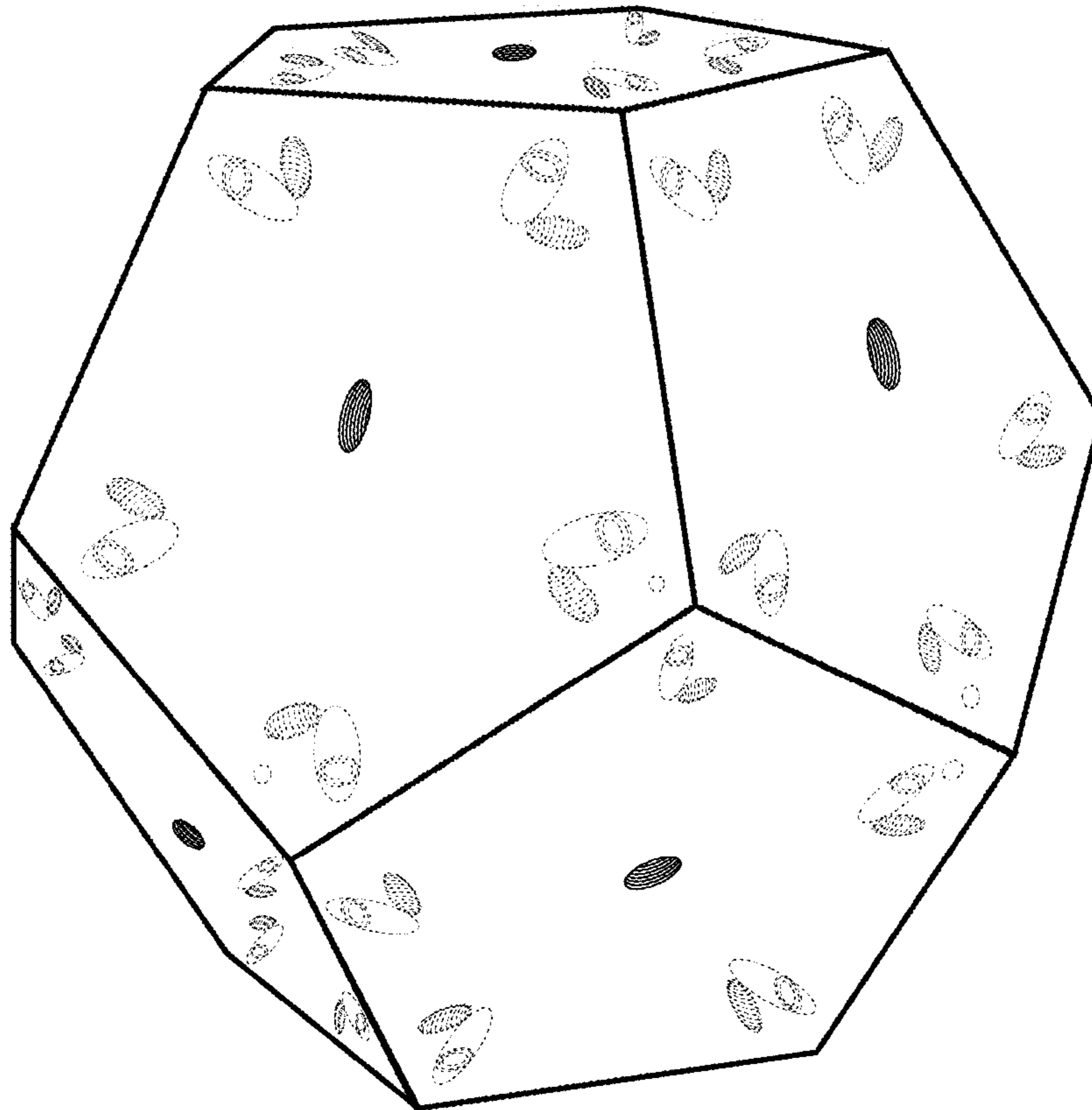


FIG. 3

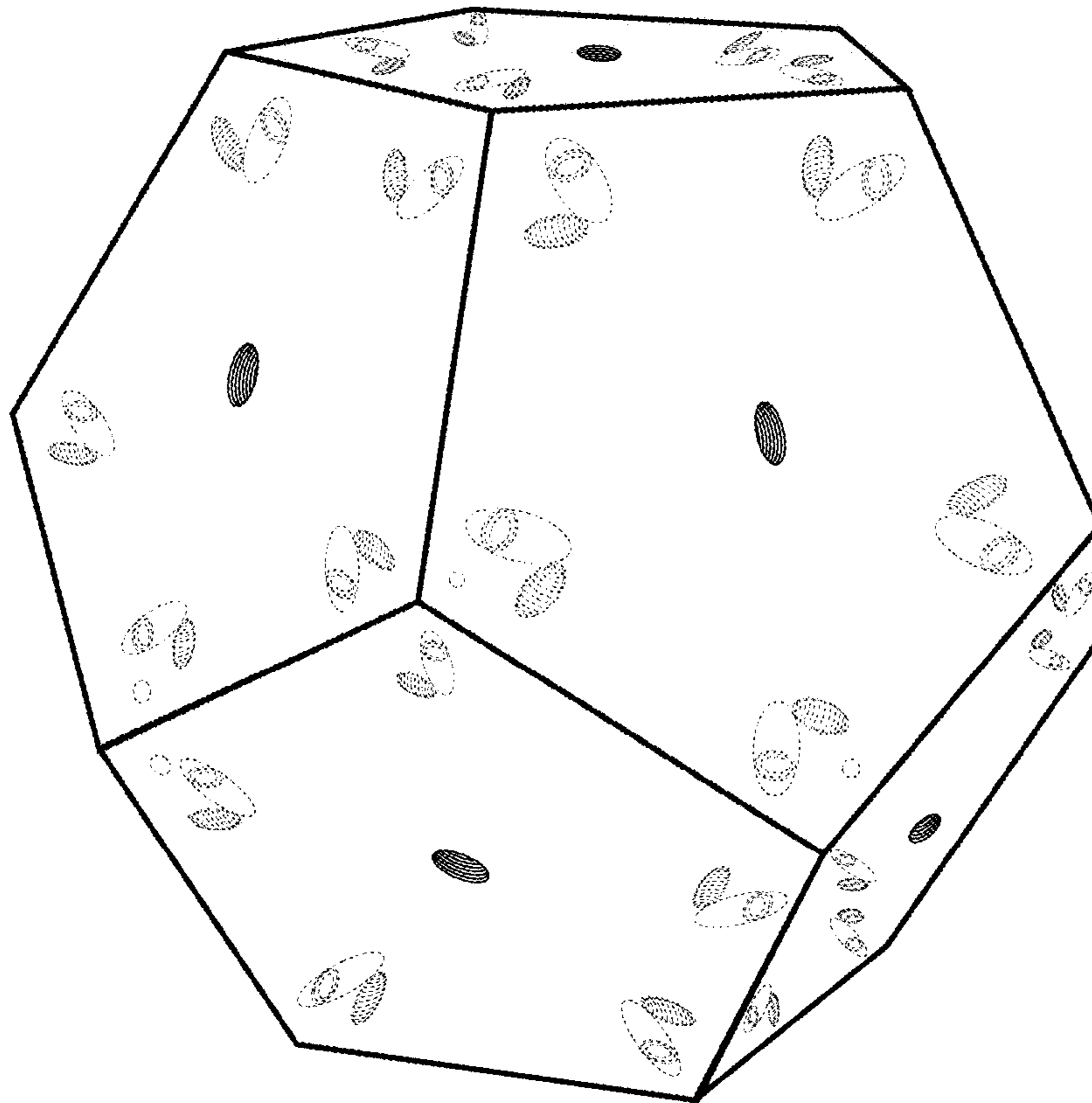


FIG. 4

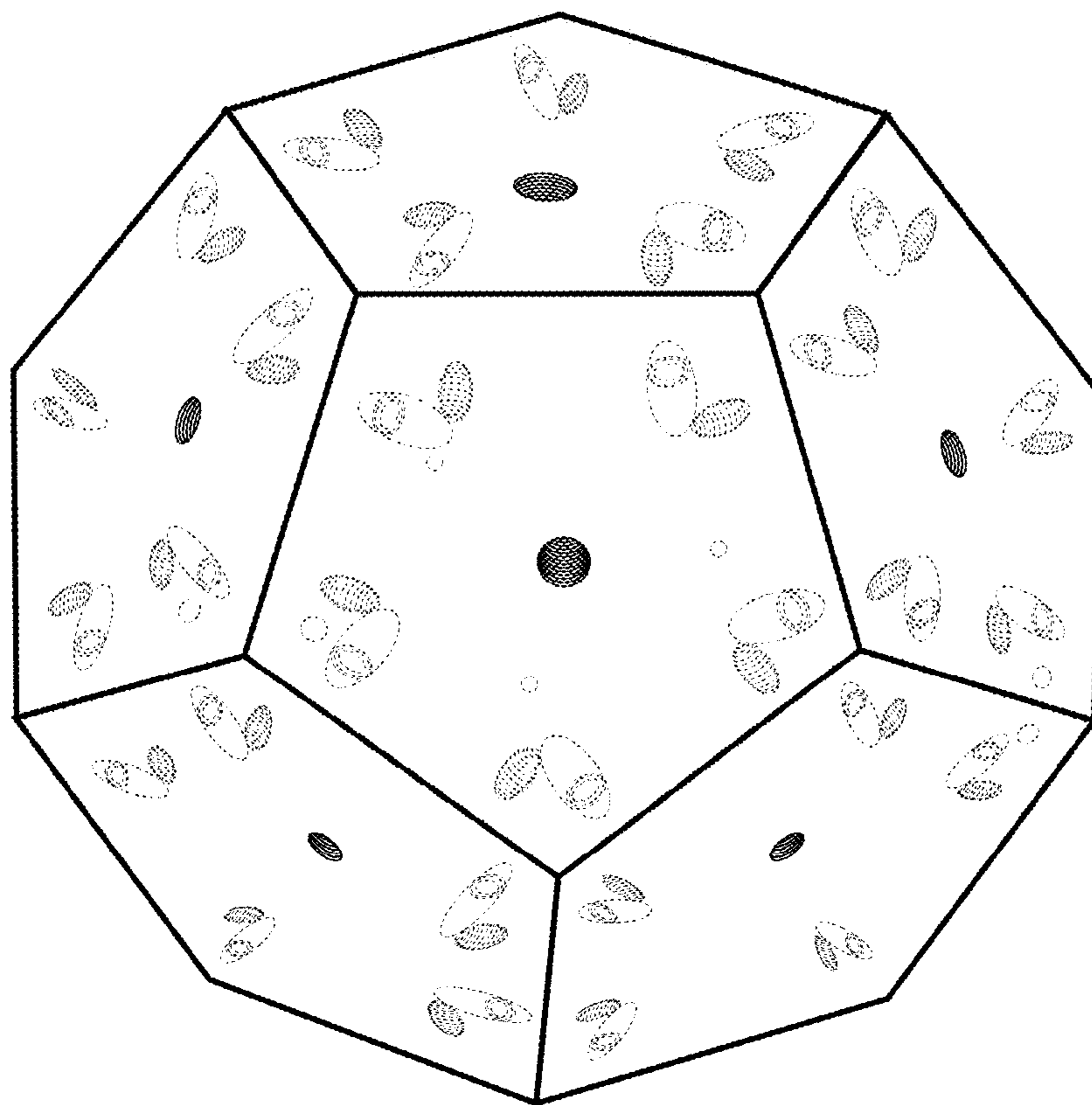


FIG. 5

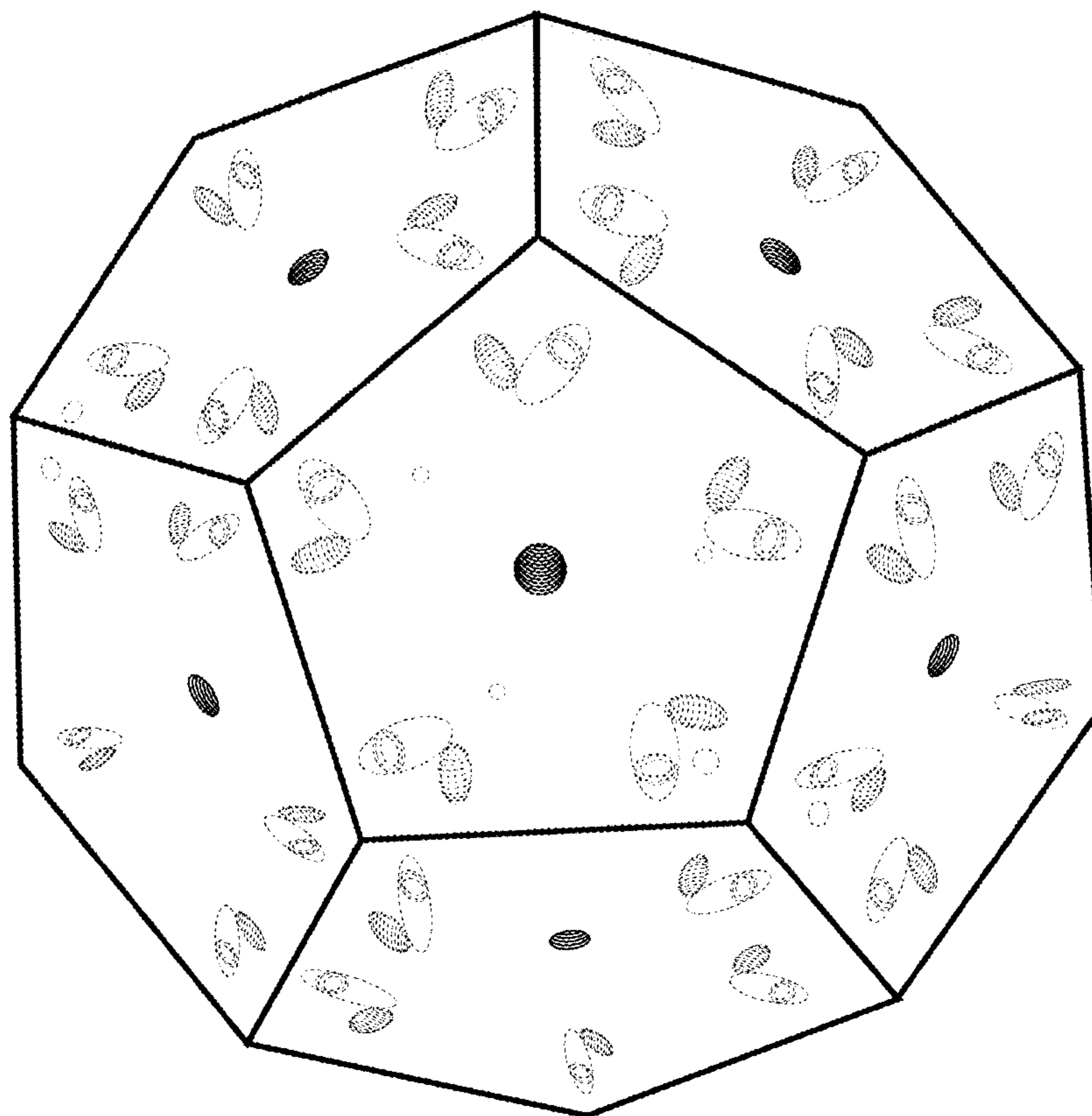


FIG. 6