

US00D849069S

(12) **United States Design Patent** (10) **Patent No.:** **US D849,069 S**  
**Hirano** (45) **Date of Patent:** **\*\* May 21, 2019**

- (54) **ABRASIVE MATERIAL FOR BARREL POLISHING**
- (71) Applicant: **Sintokogio, Ltd.**, Nagoya-shi, Aichi (JP)
- (72) Inventor: **Masao Hirano**, Kitanagoya (JP)
- (73) Assignee: **SINTOKOGIO, LTD.**, Nagoya-shi, Aichi (JP)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/633,912**
- (22) Filed: **Jan. 17, 2018**
- (30) **Foreign Application Priority Data**  
Aug. 18, 2017 (JP) ..... 2017-017736
- (51) **LOC (11) Cl.** ..... **15-03**
- (52) **U.S. Cl.**  
USPC ..... **D15/126**
- (58) **Field of Classification Search**  
USPC ..... D15/126, 133, 139, 140; D8/20, 70  
CPC ..... F04B 25/00; F04B 27/00; F04B 33/00;  
F04B 35/00; F04B 37/00; F04B 39/00;  
F04B 39/12; F04B 41/00  
See application file for complete search history.

- (56) **References Cited**  
U.S. PATENT DOCUMENTS  
732,949 A \* 7/1903 Koenig ..... B24D 11/00  
433/166  
1,331,964 A \* 2/1920 Newhouse ..... B02C 17/20  
241/184  
1,431,475 A \* 10/1922 MacDonald ..... B02C 17/20  
241/184  
D154,449 S \* 7/1949 Williams ..... D15/126  
D154,450 S \* 7/1949 Williams ..... D15/126

- D196,447 S \* 10/1963 Zuzelo ..... D15/126
- D237,202 S \* 10/1975 White ..... D15/126
- D284,969 S \* 8/1986 Olovsson ..... D15/126
- D324,525 S \* 3/1992 Baker ..... D15/126
- D491,961 S \* 6/2004 Kazama ..... D15/126
- D504,693 S \* 5/2005 Kazama ..... D15/126
- D545,329 S \* 6/2007 Cao ..... D15/126
- D690,087 S \* 9/2013 Black ..... D2/869
- D743,457 S \* 11/2015 Bodurov ..... D15/126
- D806,175 S \* 12/2017 Fjelstad ..... D21/373
- D829,247 S \* 9/2018 Chalfant ..... D15/126
- 2011/0297775 A1 \* 12/2011 Bodurov ..... B02C 17/20  
241/291
- 2014/0191069 A1 \* 7/2014 Bodurov ..... B02C 17/20  
241/184

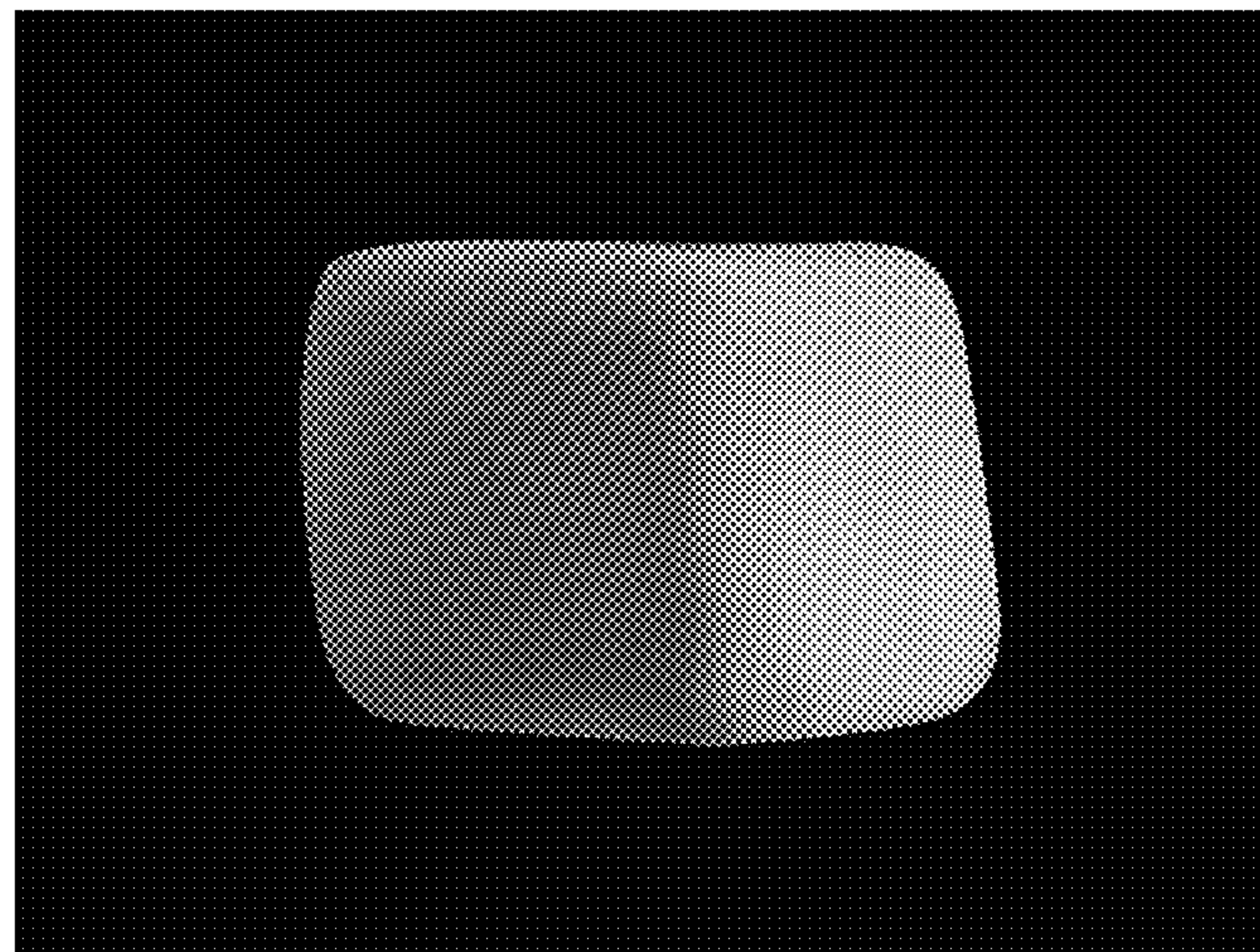
\* cited by examiner

*Primary Examiner* — Khawaja Anwar  
(74) *Attorney, Agent, or Firm* — Leydig Voit & Mayer

(57) **CLAIM**  
The ornamental design for an abrasive material for barrel polishing, as shown and described.

**DESCRIPTION**  
FIG. 1 is a front view of an abrasive material for barrel polishing of the present invention. The abrasive material for barrel polishing is placed in a barrel polisher along with water and a workpiece, and the barrel polisher is operated to polish the workpiece.  
FIG. 2 is a rear view thereof.  
FIG. 3 is a top plan view thereof.  
FIG. 4 is a bottom view thereof.  
FIG. 5 is a right side view thereof.  
FIG. 6 is a left side view thereof; and,  
FIG. 7 is a perspective view (plan view as viewed diagonally from above) thereof.  
The abrasive material for barrel polishing is shown within a dark environment that forms no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



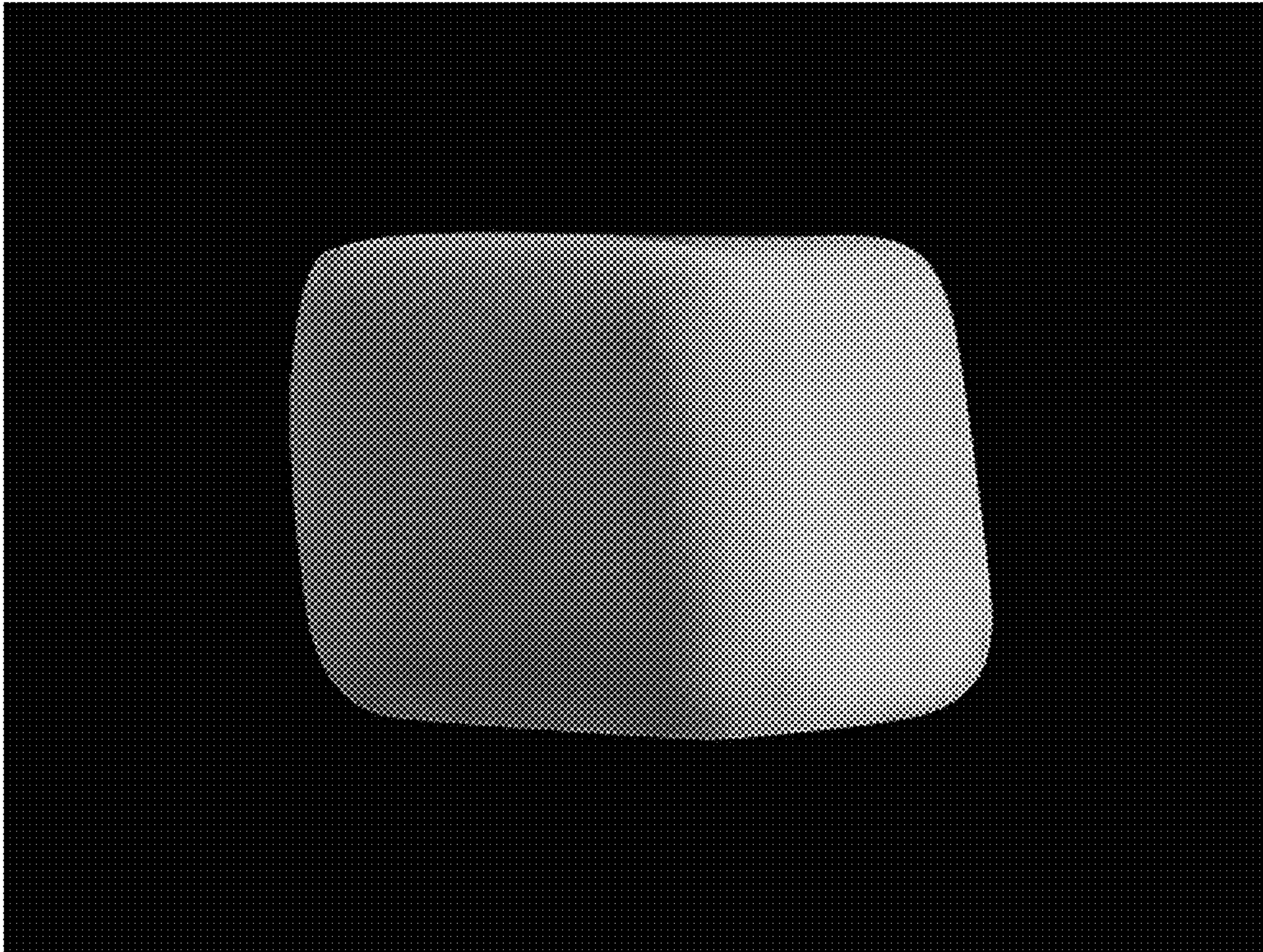


FIG. 1



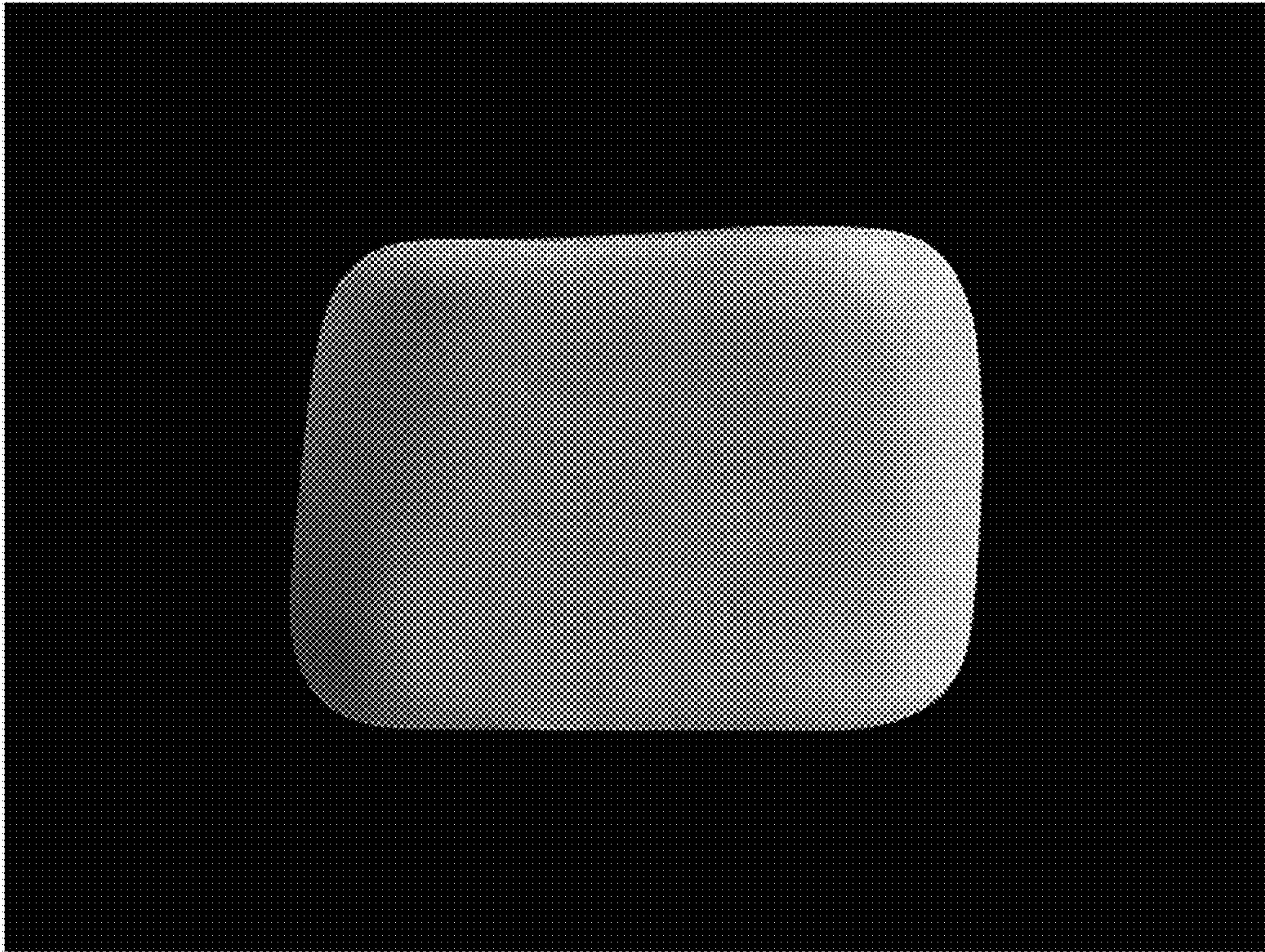


FIG. 2

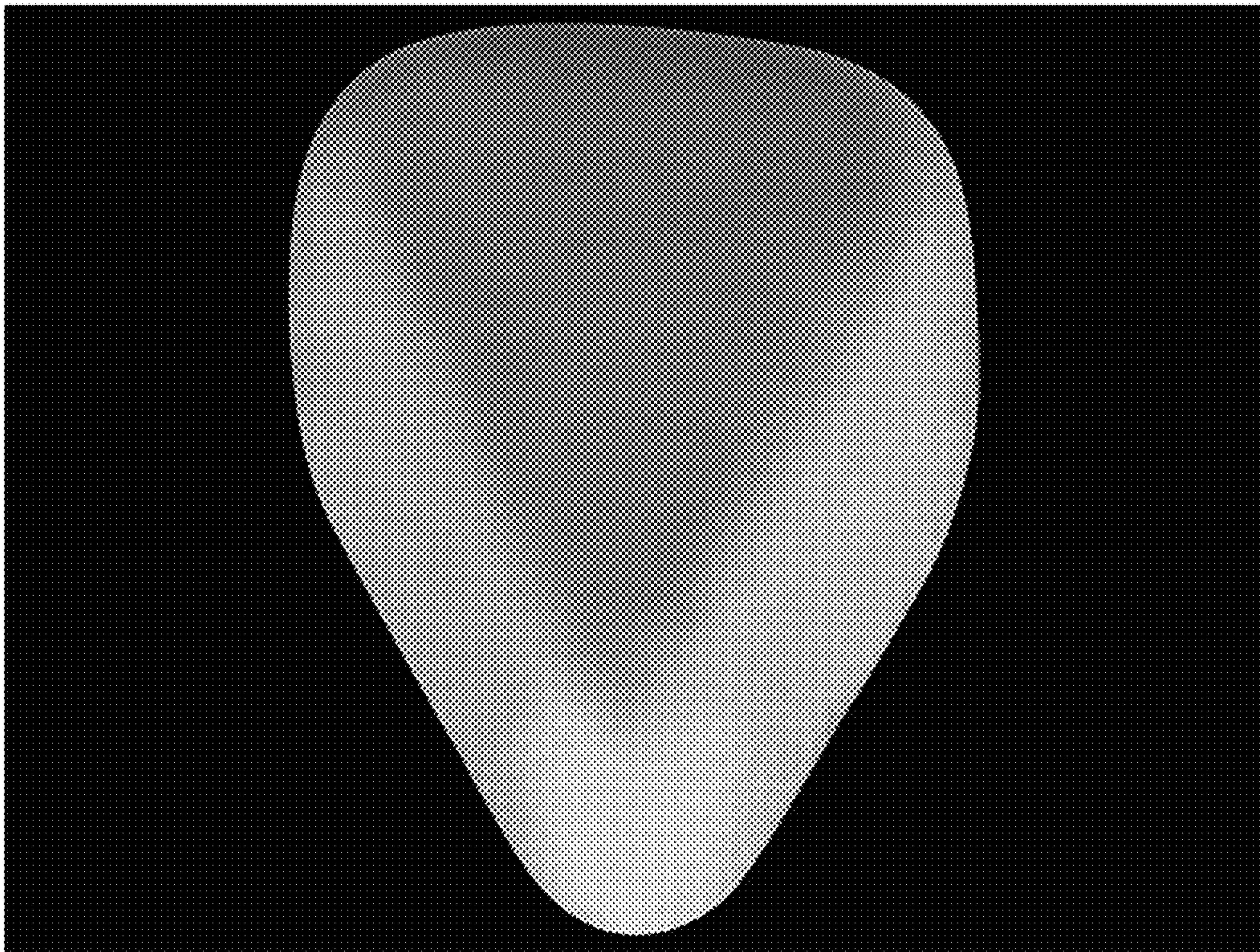


FIG. 3



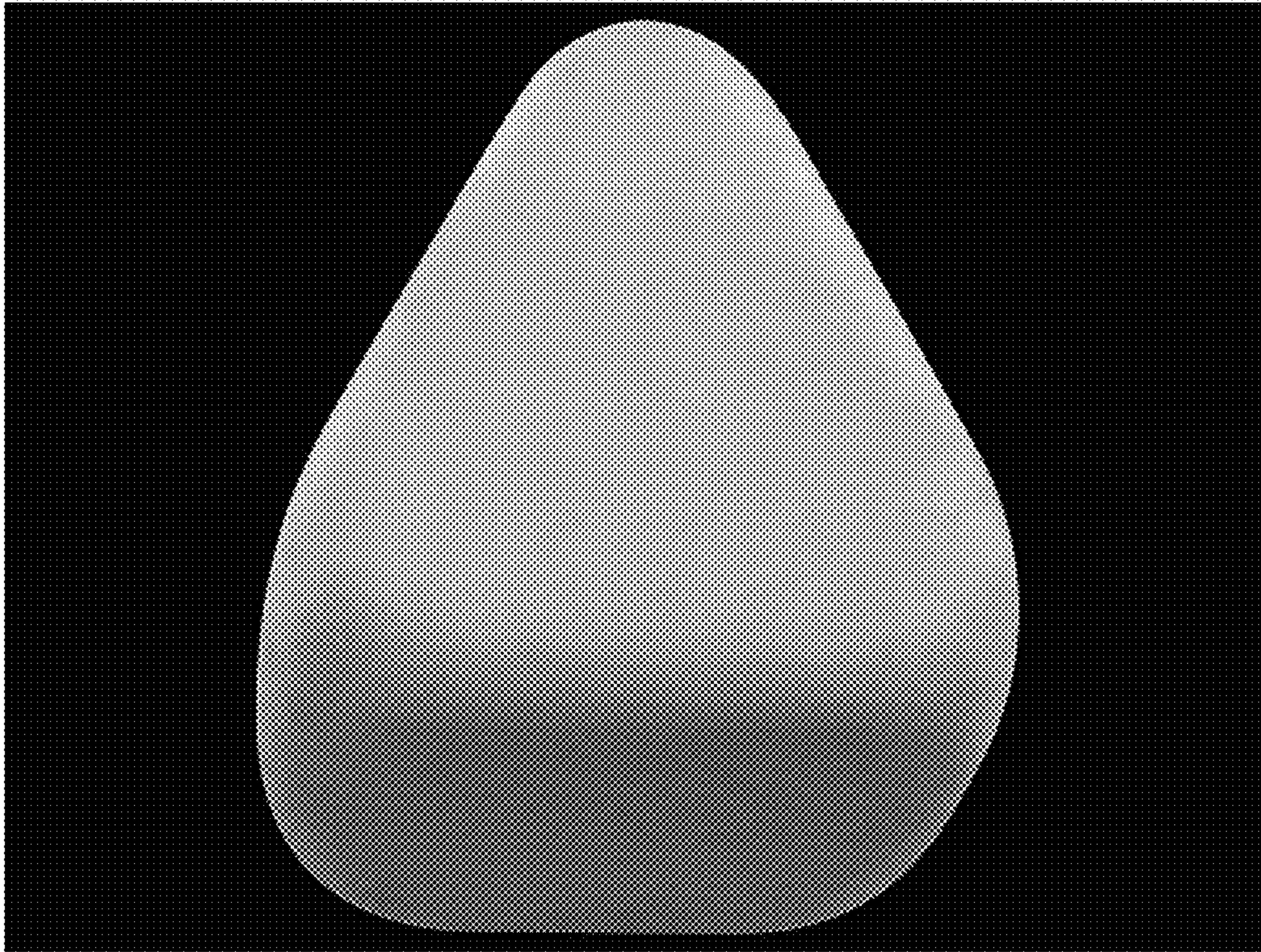


FIG. 4

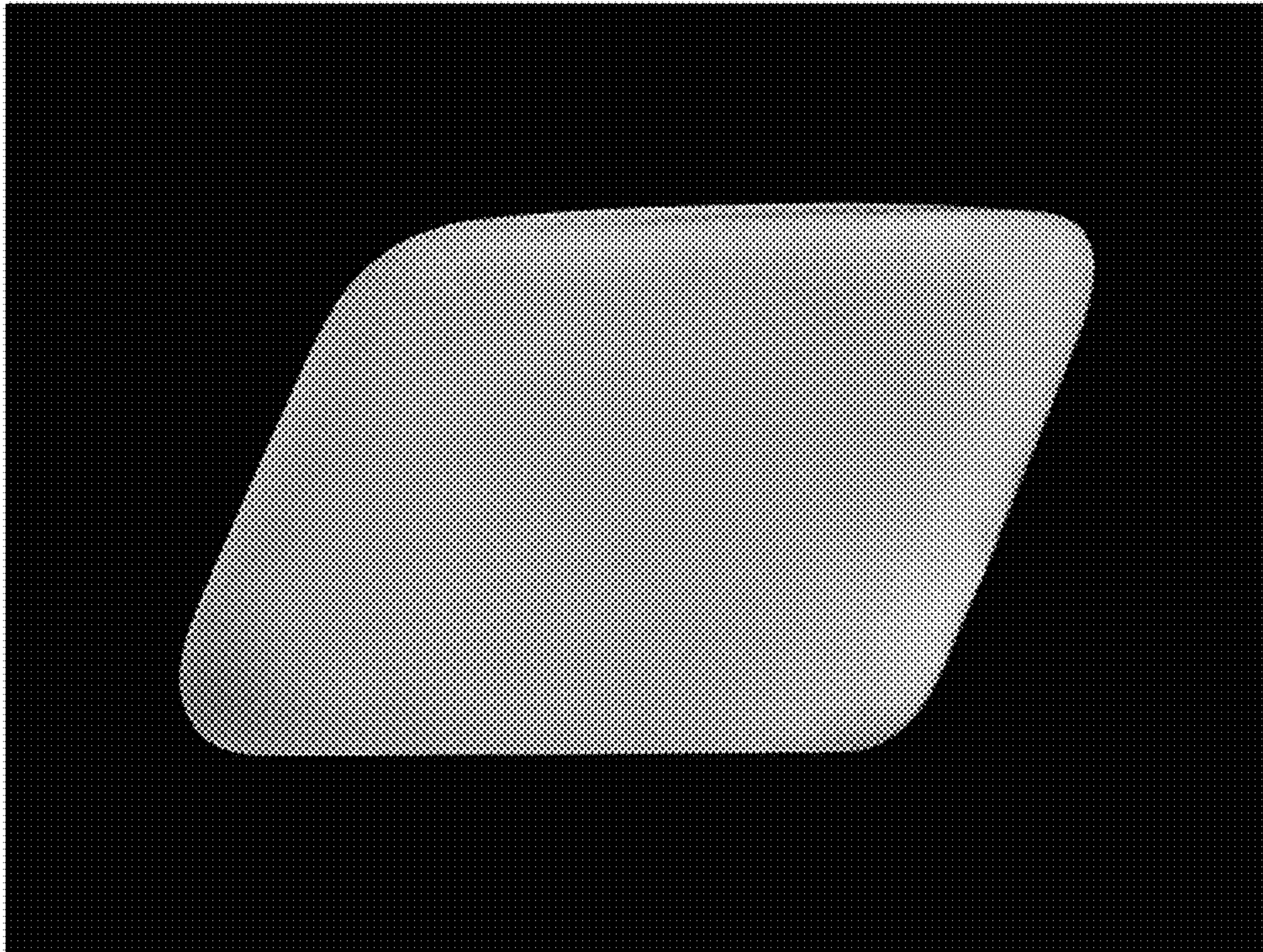


FIG. 5



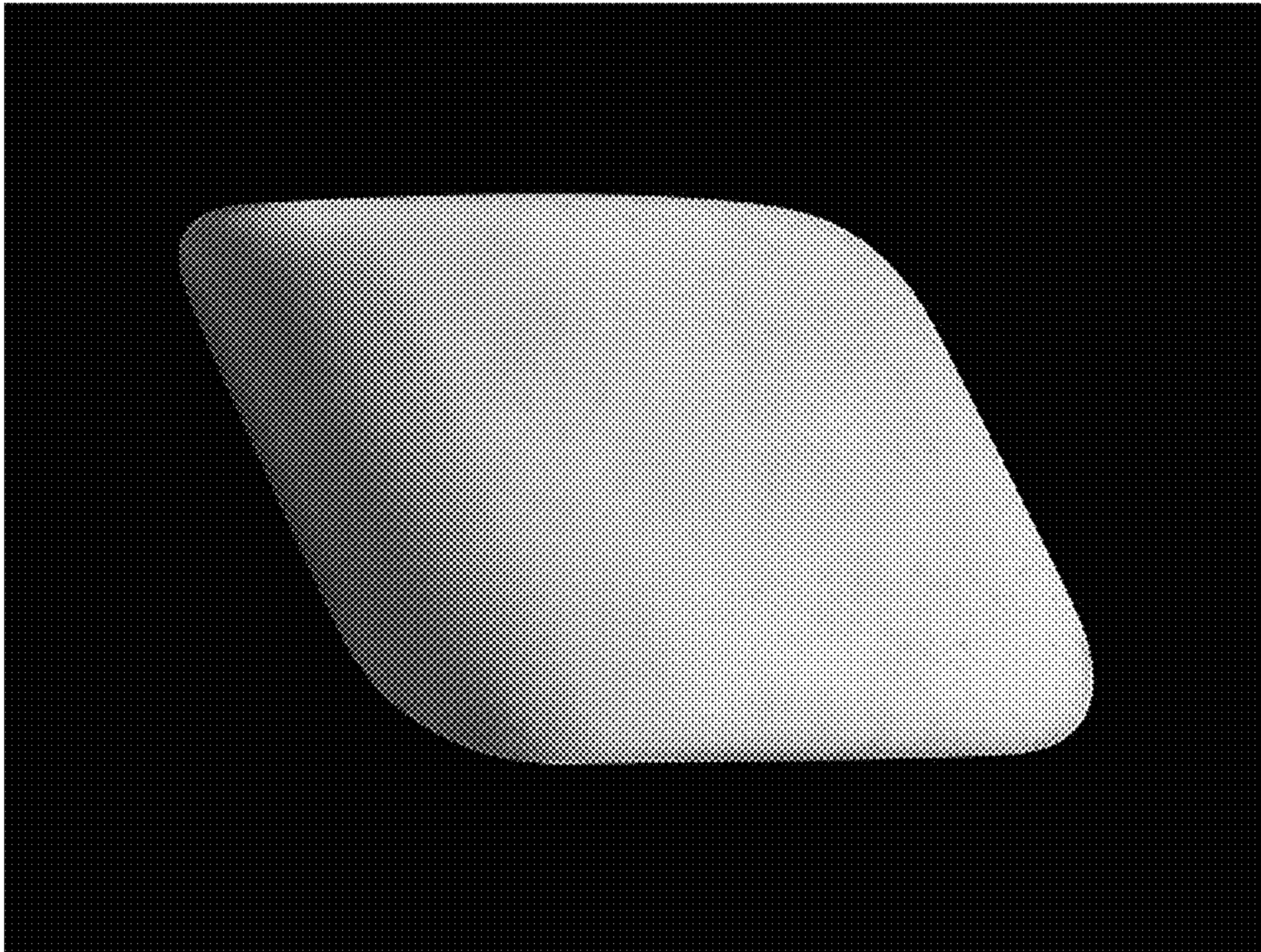


FIG. 6

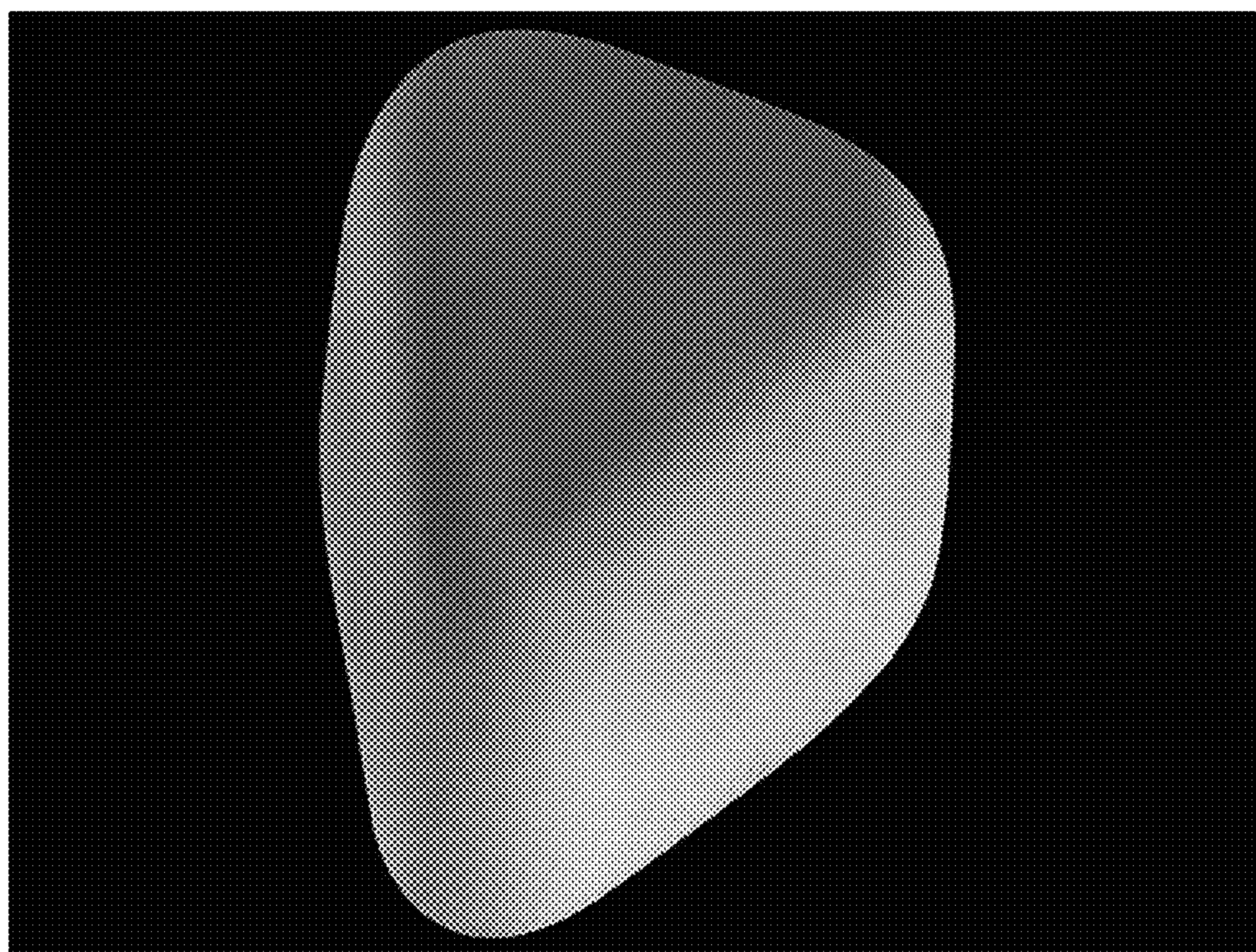


FIG. 7