



US00D874954S

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

(10) **Patent No.:** **US D874,954 S**
(45) **Date of Patent:** **** Feb. 11, 2020**

- (54) **LOCATION SENSOR AND FLOW RATE METER**
 - (71) Applicant: **Orbis Intelligent Systems, Inc.**, San Diego, CA (US)
 - (72) Inventors: **Daniel Milne Krywyj**, La Jolla, CA (US); **Jeffrey A. Prsha**, San Diego, CA (US)
 - (73) Assignee: **Orbis Intelligent Systems, Inc.**, San Diego, CA (US)
 - (**) Term: **15 Years**
 - (21) Appl. No.: **29/643,348**
 - (22) Filed: **Apr. 6, 2018**
 - (51) **LOC (12) Cl.** **10-04**
 - (52) **U.S. Cl.**
USPC **D10/70; D10/46**
 - (58) **Field of Classification Search**
USPC **D10/46, 70**
- (Continued)

(56) **References Cited**

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(Continued)

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(57) **CLAIM**

We claim the ornamental design for a location sensor and flow rate meter, as shown and described.

DESCRIPTION

FIG. 1 depicts an isometric view of an example location sensor and flow rate meter.

FIG. 2 depicts a front view of the location sensor and flow rate meter of FIG. 1.

FIG. 3 depicts a back view of the location sensor and flow rate meter of FIG. 1.

FIG. 4 depicts a side view of the location sensor and flow rate meter of FIG. 1.

FIG. 5 depicts an opposite side view of the location sensor and flow rate meter of FIG. 1.

FIG. 6 depicts an off-angle view of the location sensor and flow rate meter of FIG. 1.

FIG. 7 depicts another off-angle view of the location sensor and flow rate meter of FIG. 1.

FIG. 8 depicts a top view of the location sensor and flow rate meter of FIG. 1.

FIG. 9 depicts a bottom view of the location sensor and flow rate meter of FIG. 1.

FIG. 10 depicts an isometric view of another example location sensor and flow rate meter.

FIG. 11 depicts a front view of the location sensor and flow rate meter of FIG. 10.

FIG. 12 depicts a back view of the location sensor and flow rate meter of FIG. 10.

FIG. 13 depicts a side view of the location sensor and flow rate meter of FIG. 10.

FIG. 14 depicts an opposite side view of the location sensor and flow rate meter of FIG. 10.

FIG. 15 depicts an off-angle view of the location sensor and flow rate meter of FIG. 10.

FIG. 16 depicts another off-angle view of the location sensor and flow rate meter of FIG. 10.

FIG. 17 depicts a top view of the location sensor and flow rate meter of FIG. 10; and,

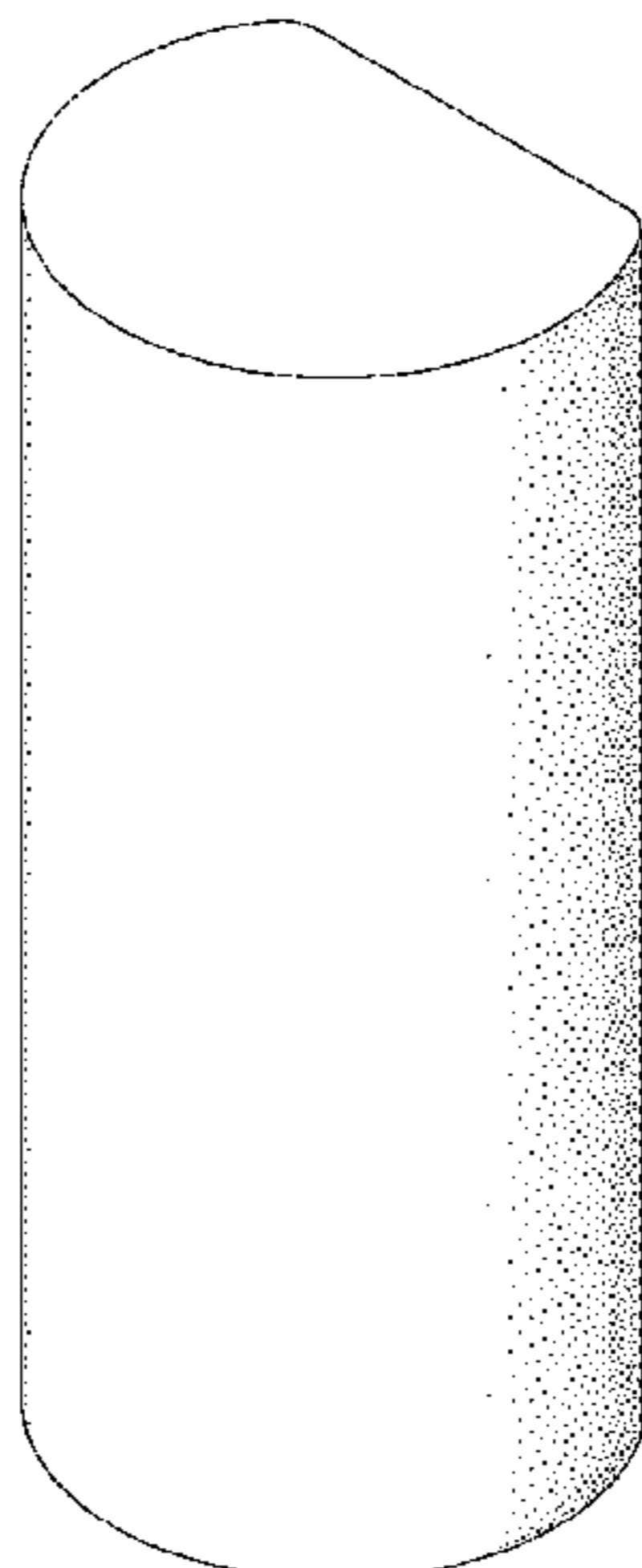
FIG. 18 depicts a bottom view of the location sensor and flow rate meter of FIG. 10.

The location sensor and flow rate meter in the accompanying figures may be positioned on or near a fluid conduit, such as a pipe or a standpipe.

Stipple shading is used in all of the accompanying Figures to convey surface contouring and not texture.

The tangent edges, for the sake of clarity, represent transitions between a surface and a rounded surface, i.e., where these two surfaces are tangent to one another.

1 Claim, 4 Drawing Sheets



(58) **Field of Classification Search**

CPC . F16L 55/28; F16L 55/30; F16L 55/46; F16L
55/40; F16L 2101/30; G01M 3/005;
G01M 3/246; G01M 3/38; G03B 37/005;
B08B 9/045; B65H 61/00; B65H 75/364;
G01N 3/02; G01N 21/954; G01N
29/0654; G01N 29/265; G01N
2021/9544; G01N 2291/2636; G01S 7/03;
G01S 13/88; G01S 13/885; G01V 3/08;
G01V 3/081; G01V 3/15; G06F 3/016;
G06F 3/0346; H04N 7/185

See application file for complete search history.

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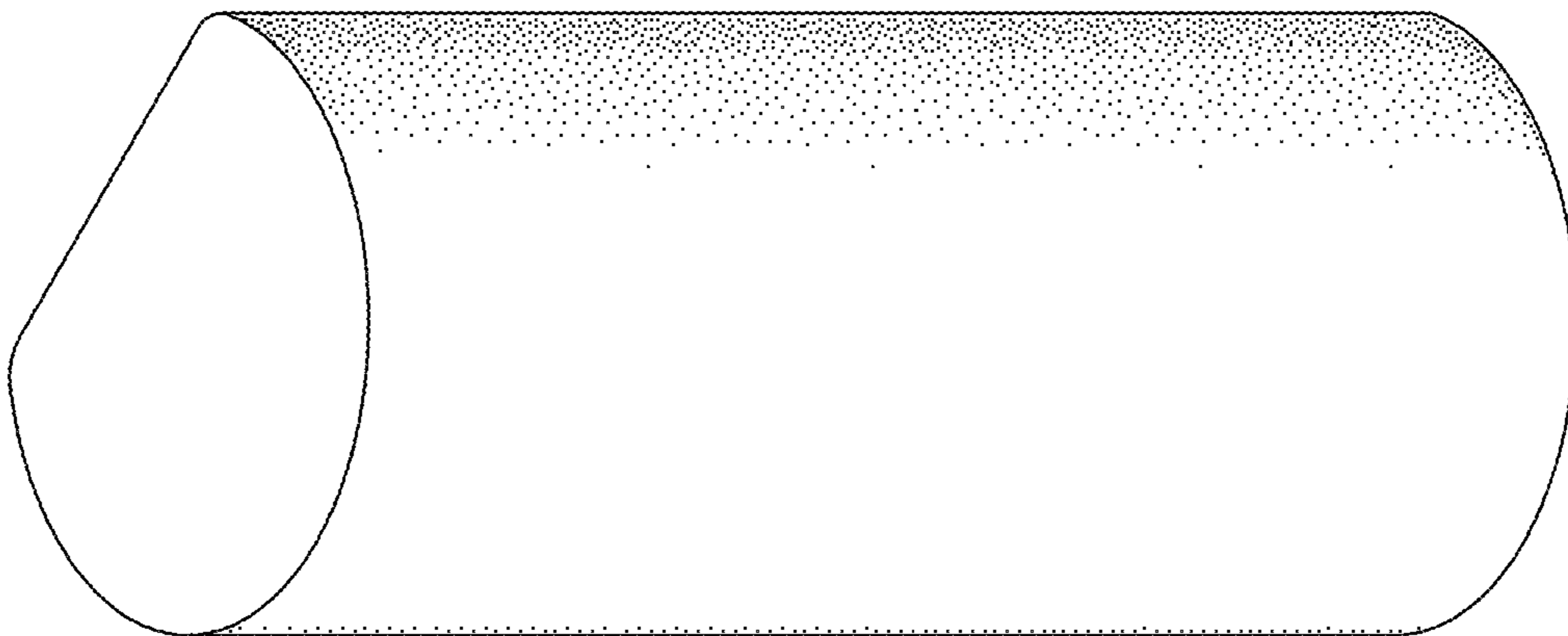


Figure 1

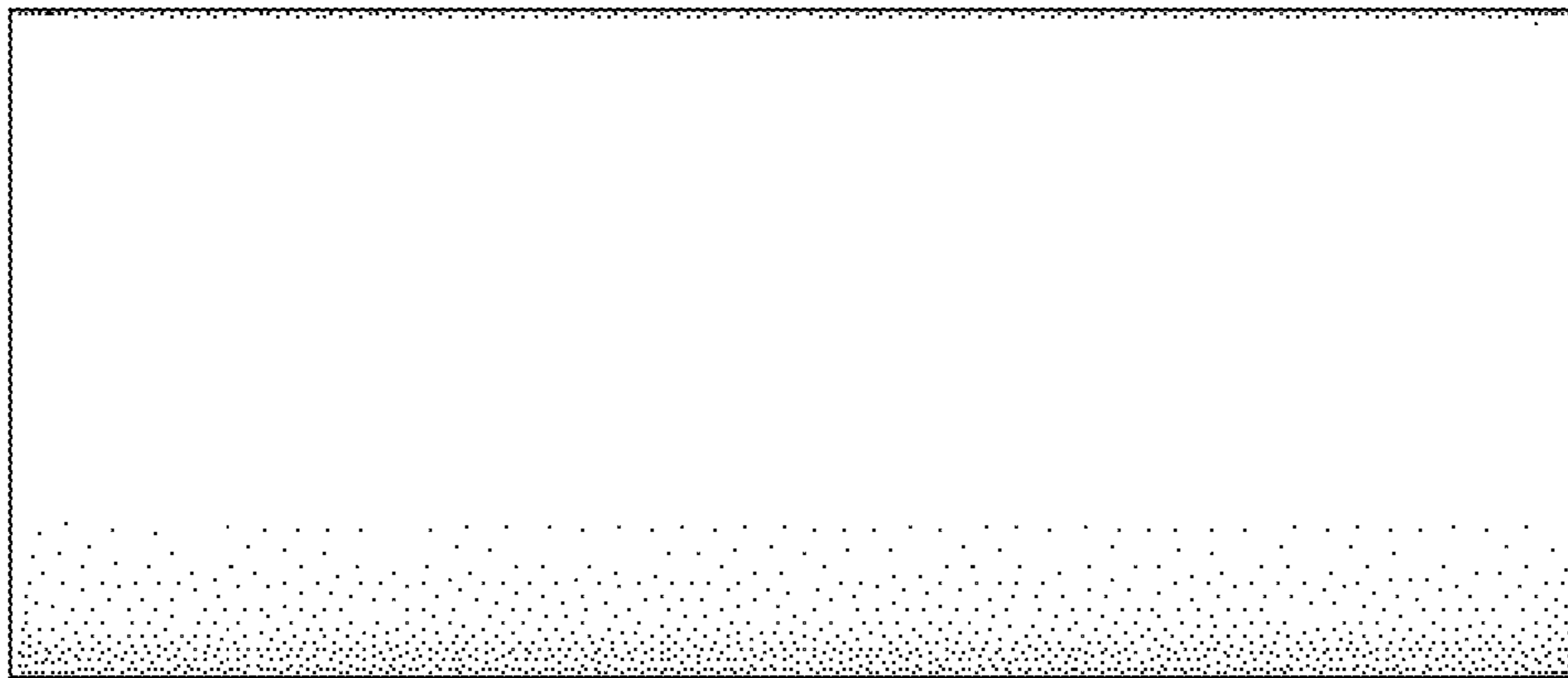


Figure 2

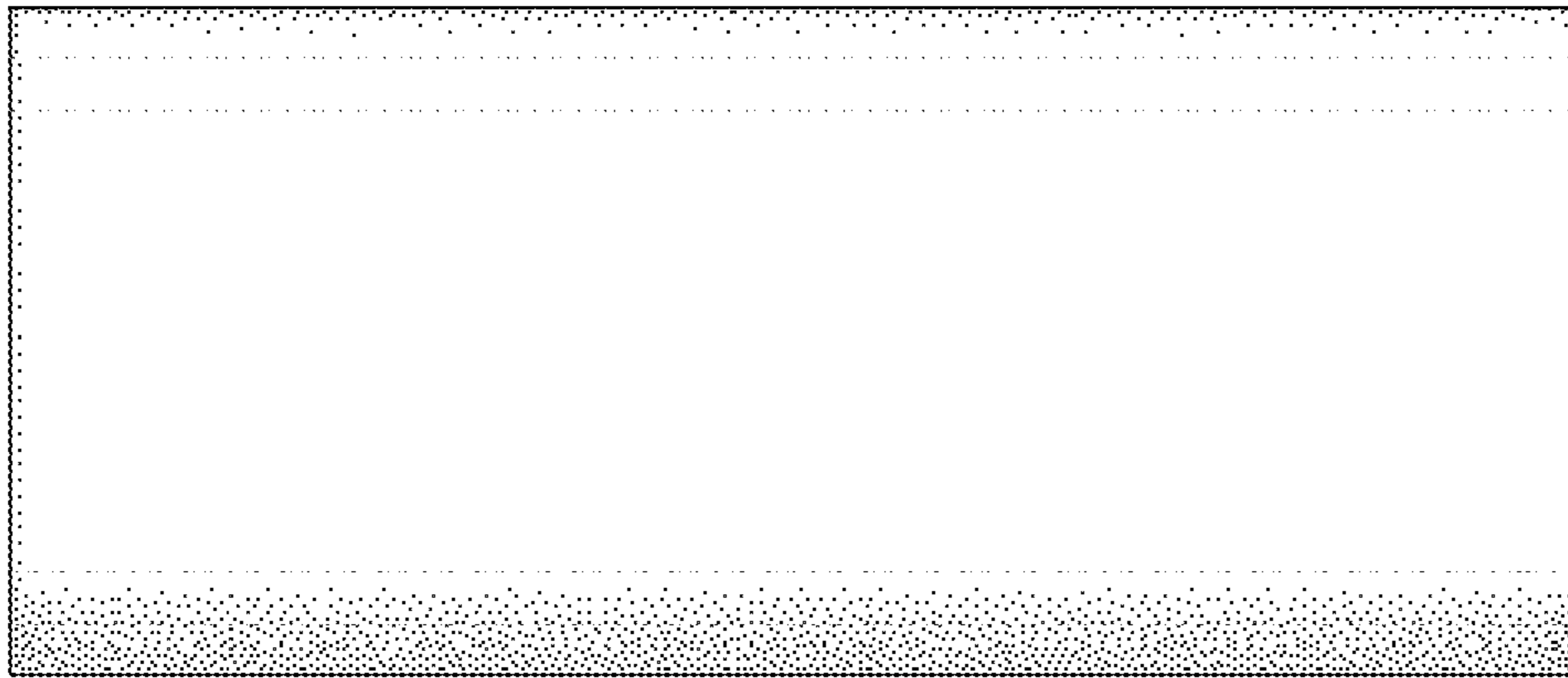


Figure 3

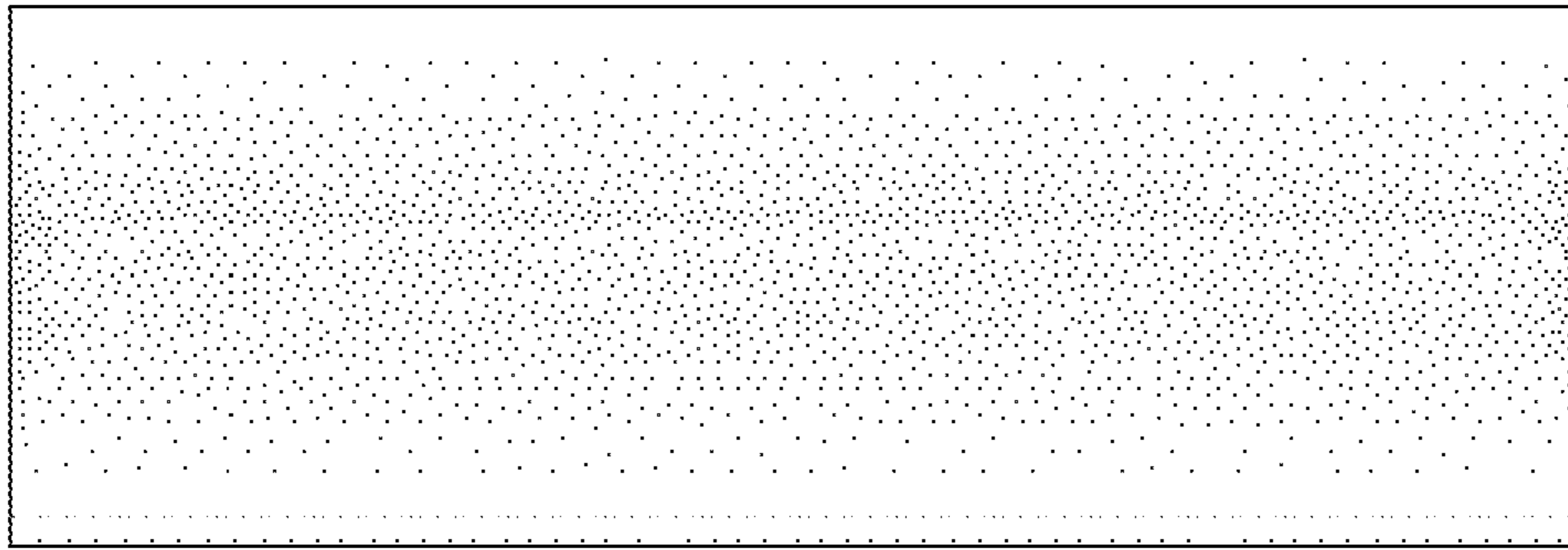


Figure 4

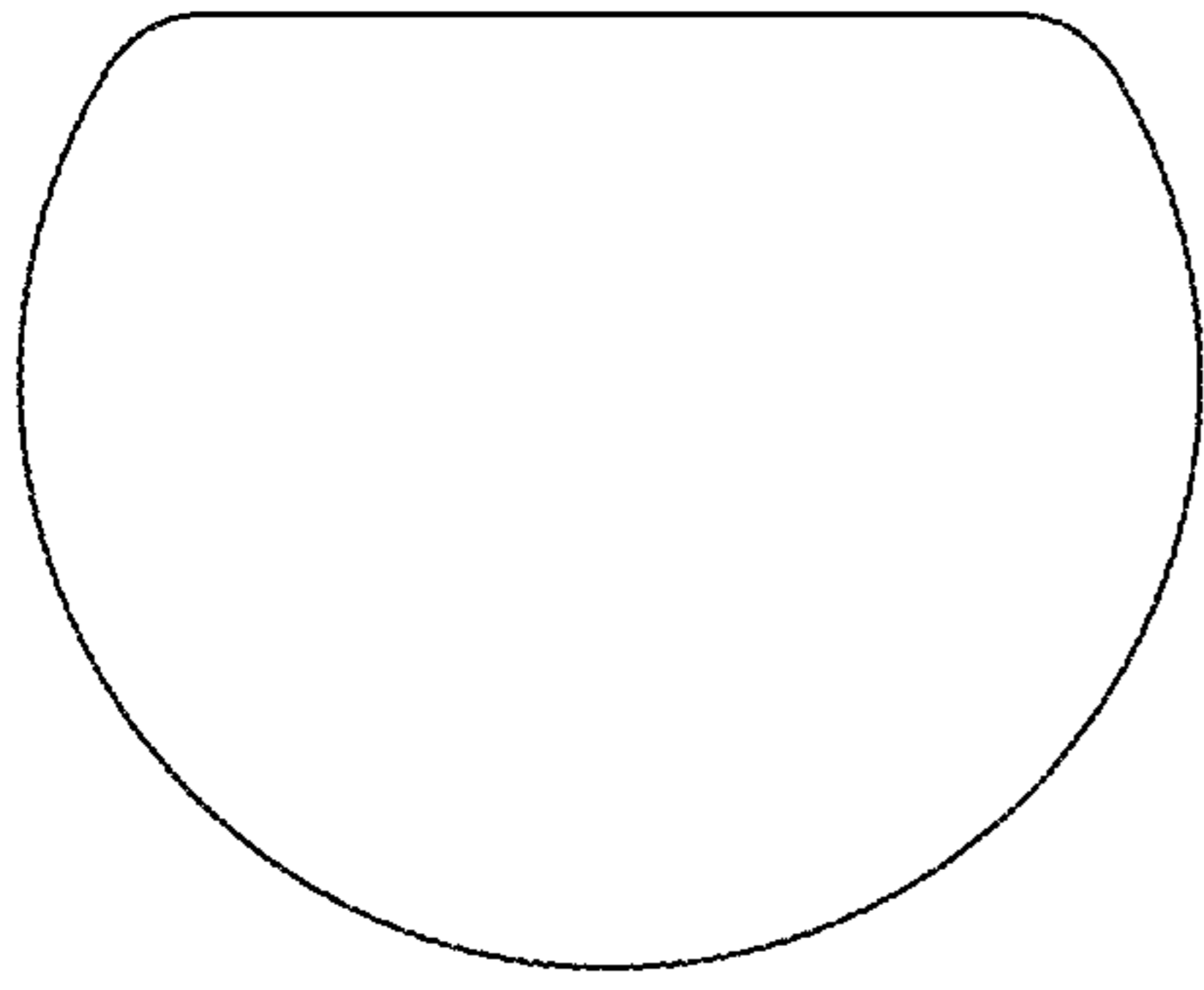


Figure 8

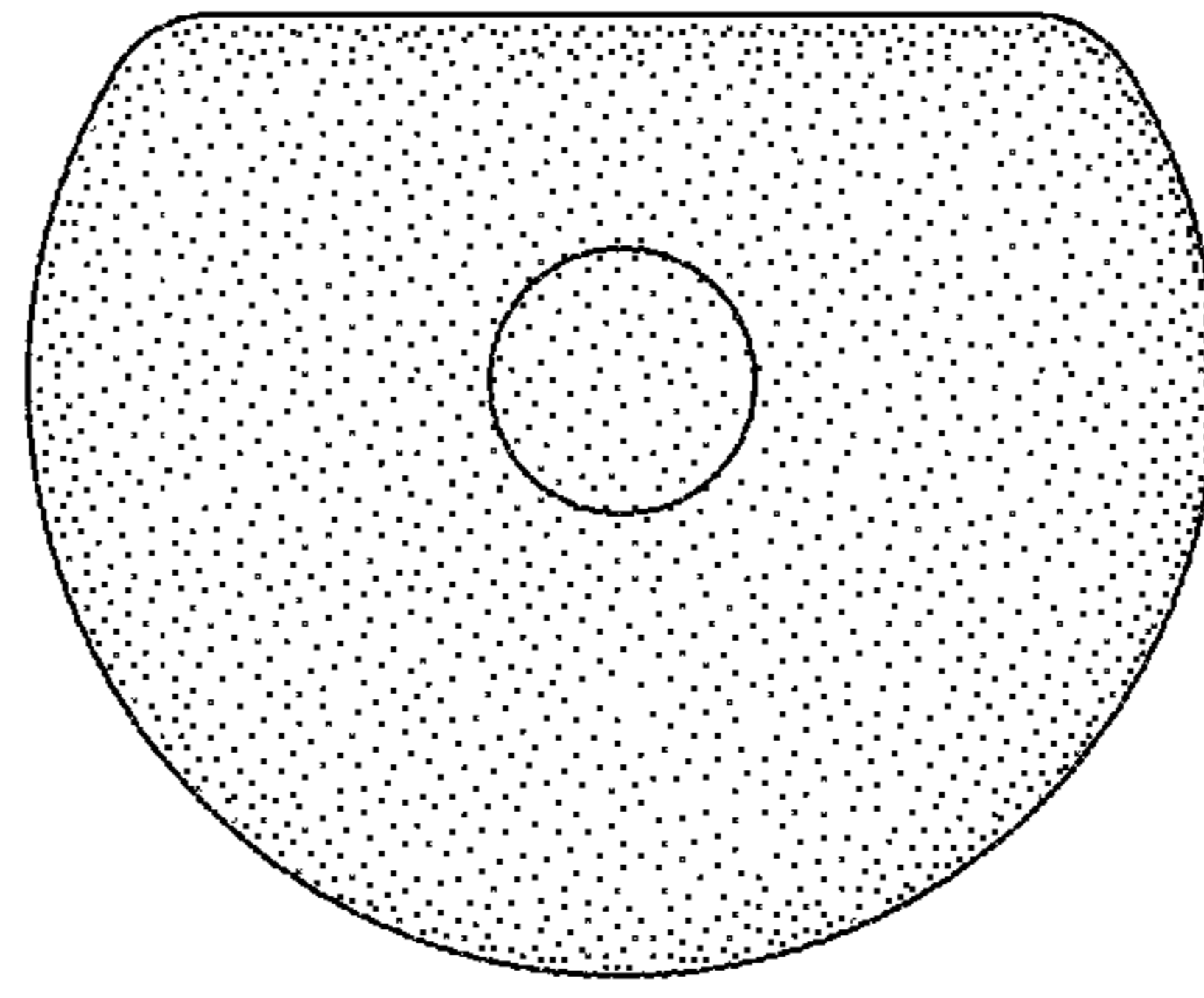


Figure 9

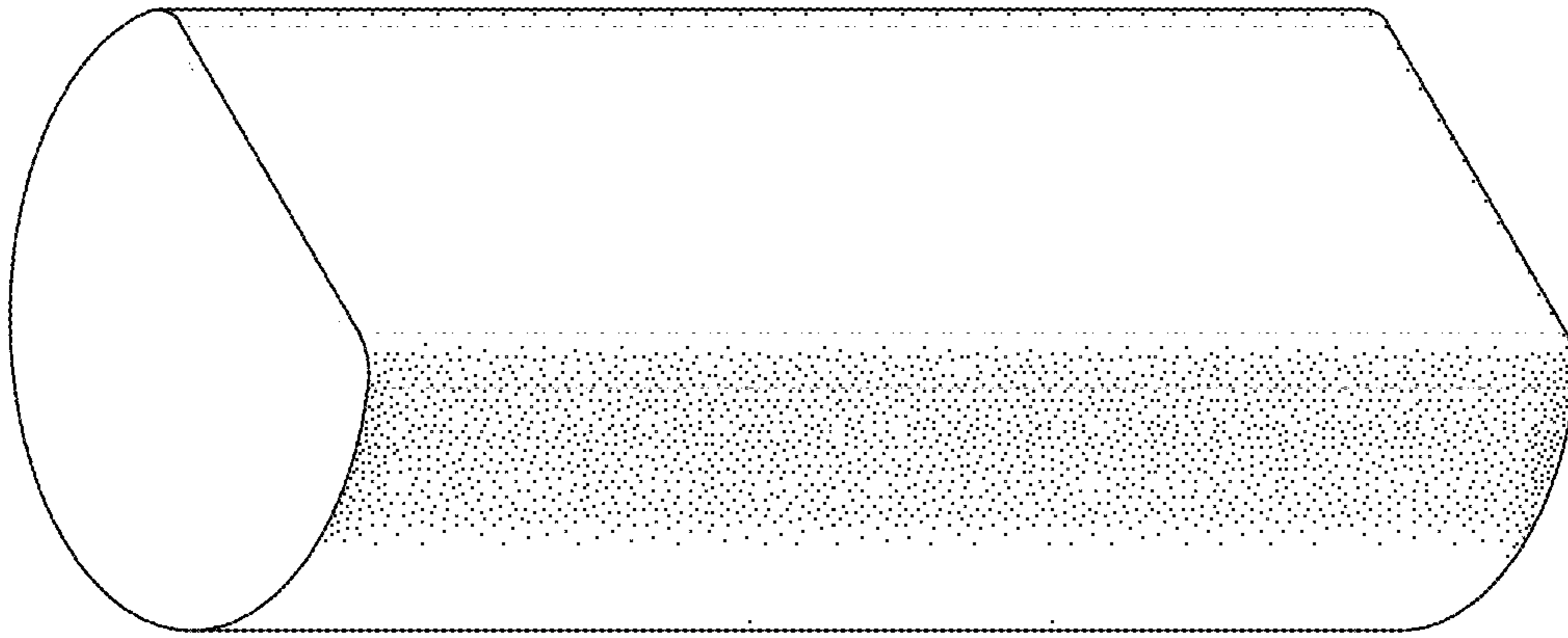


Figure 7

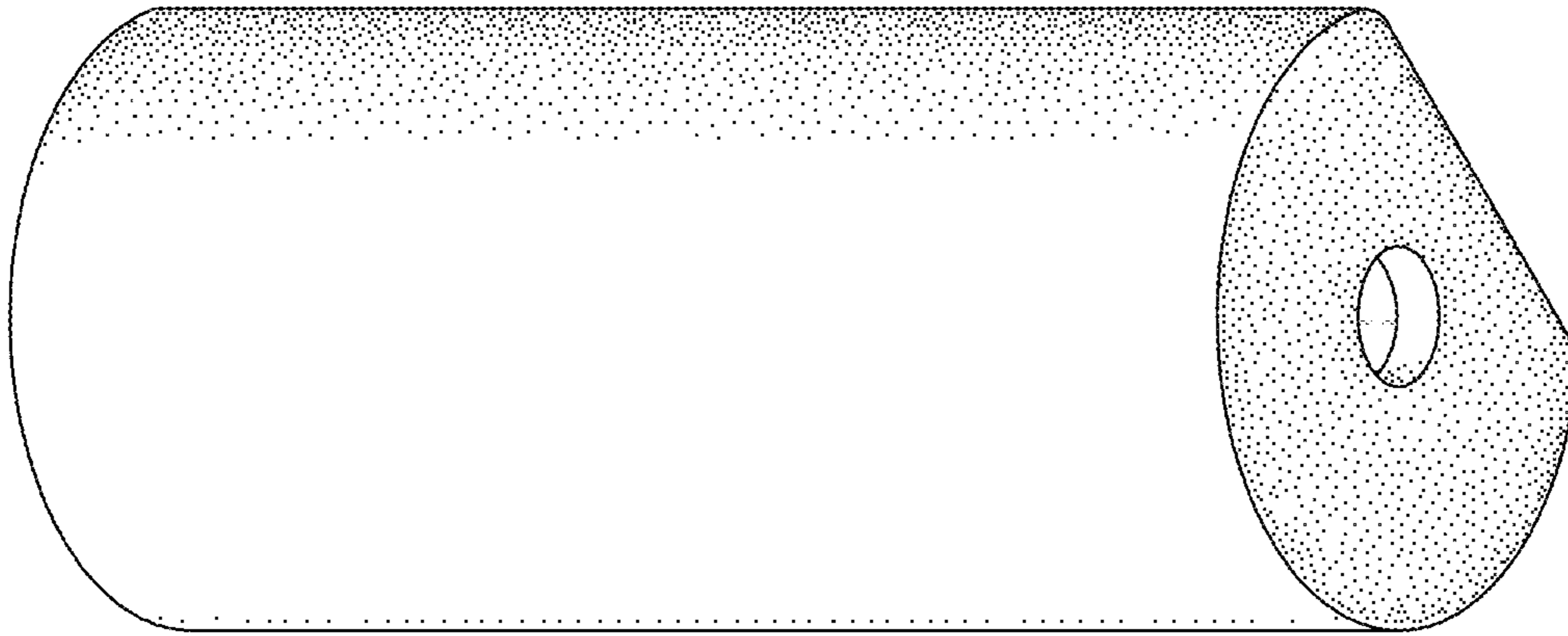


Figure 6

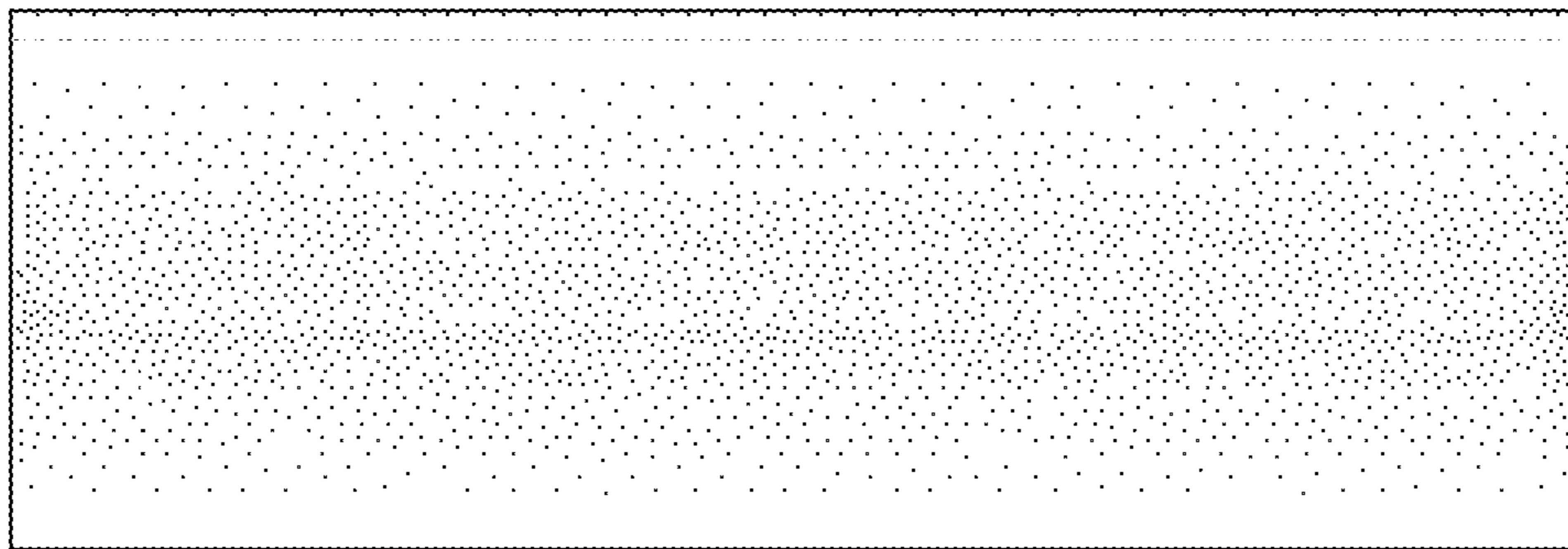


Figure 5

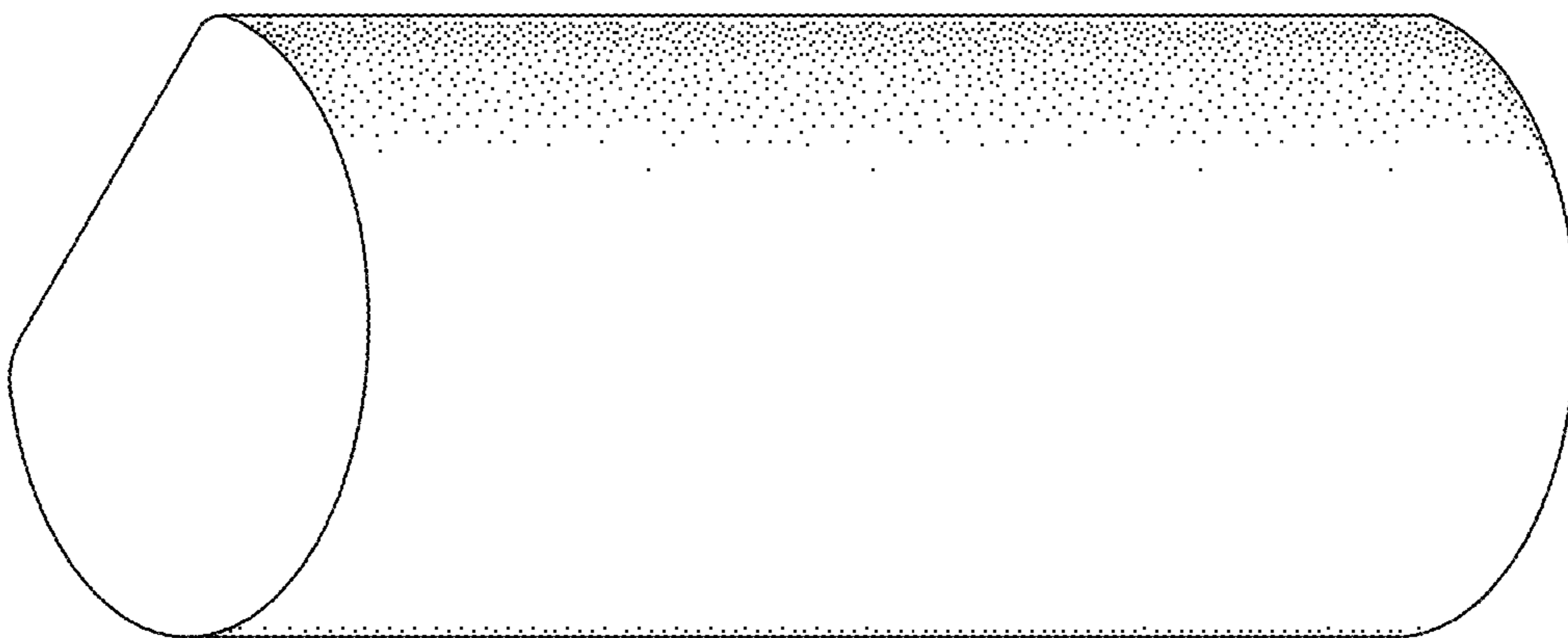


Figure 10

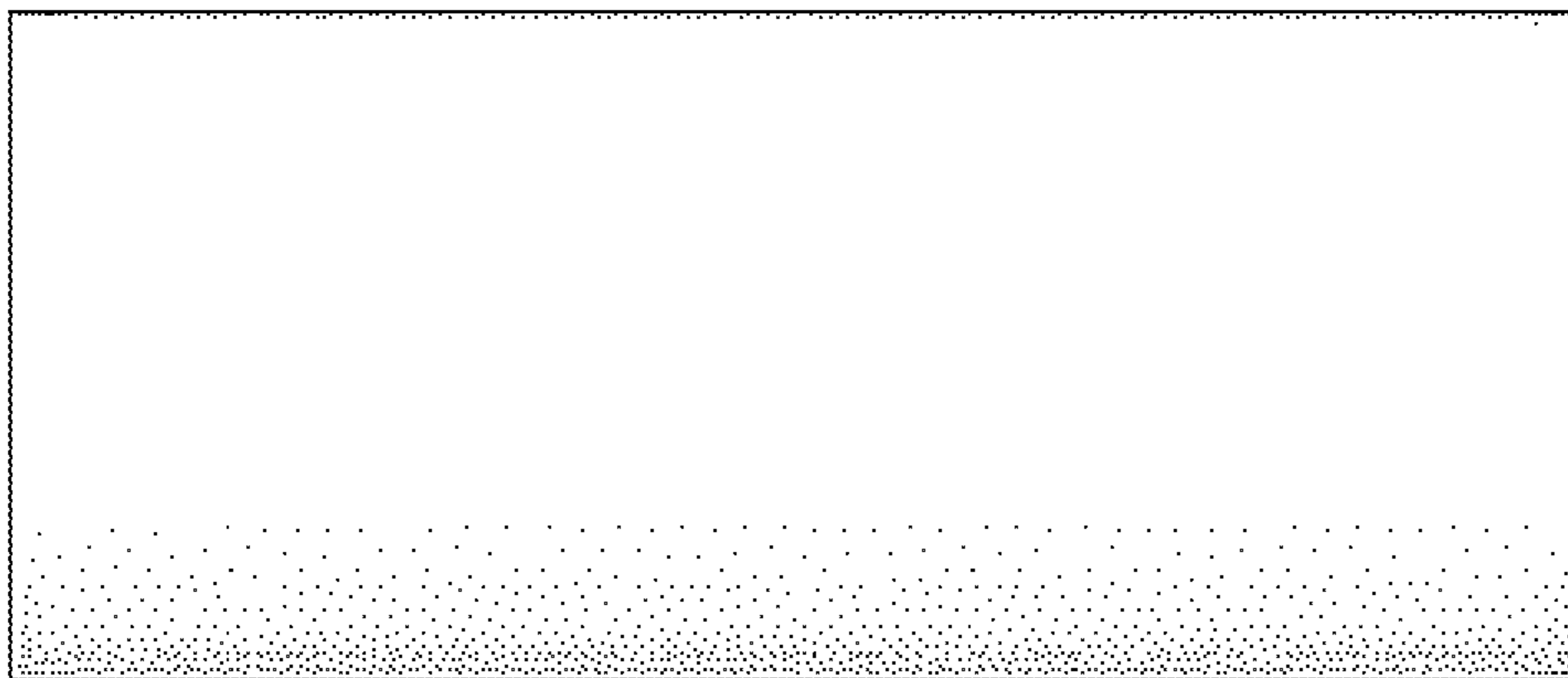


Figure 11

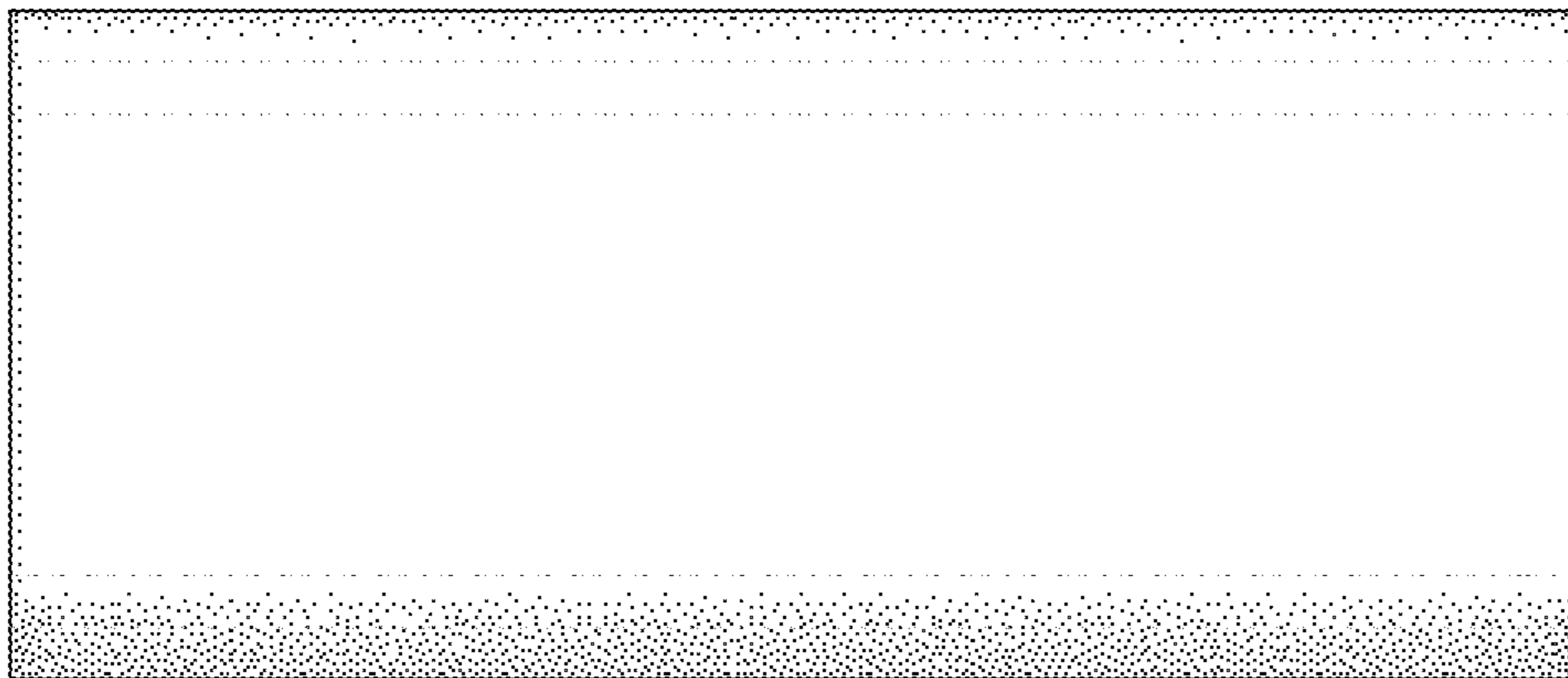


Figure 12

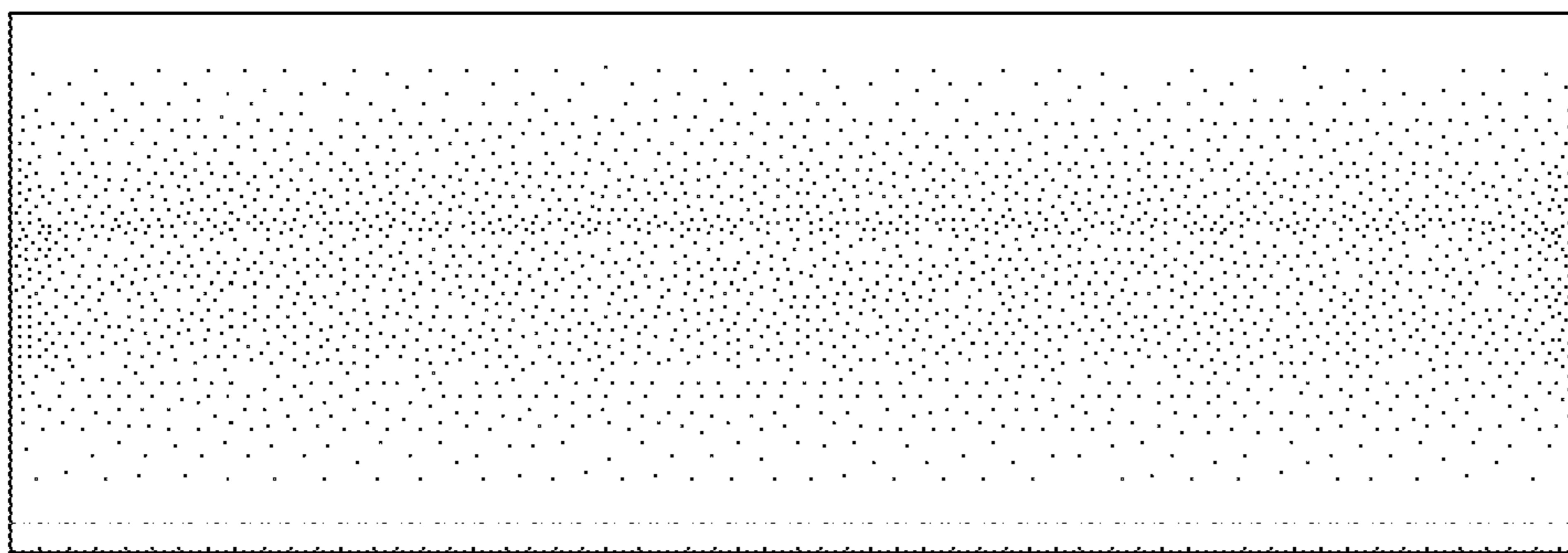


Figure 13

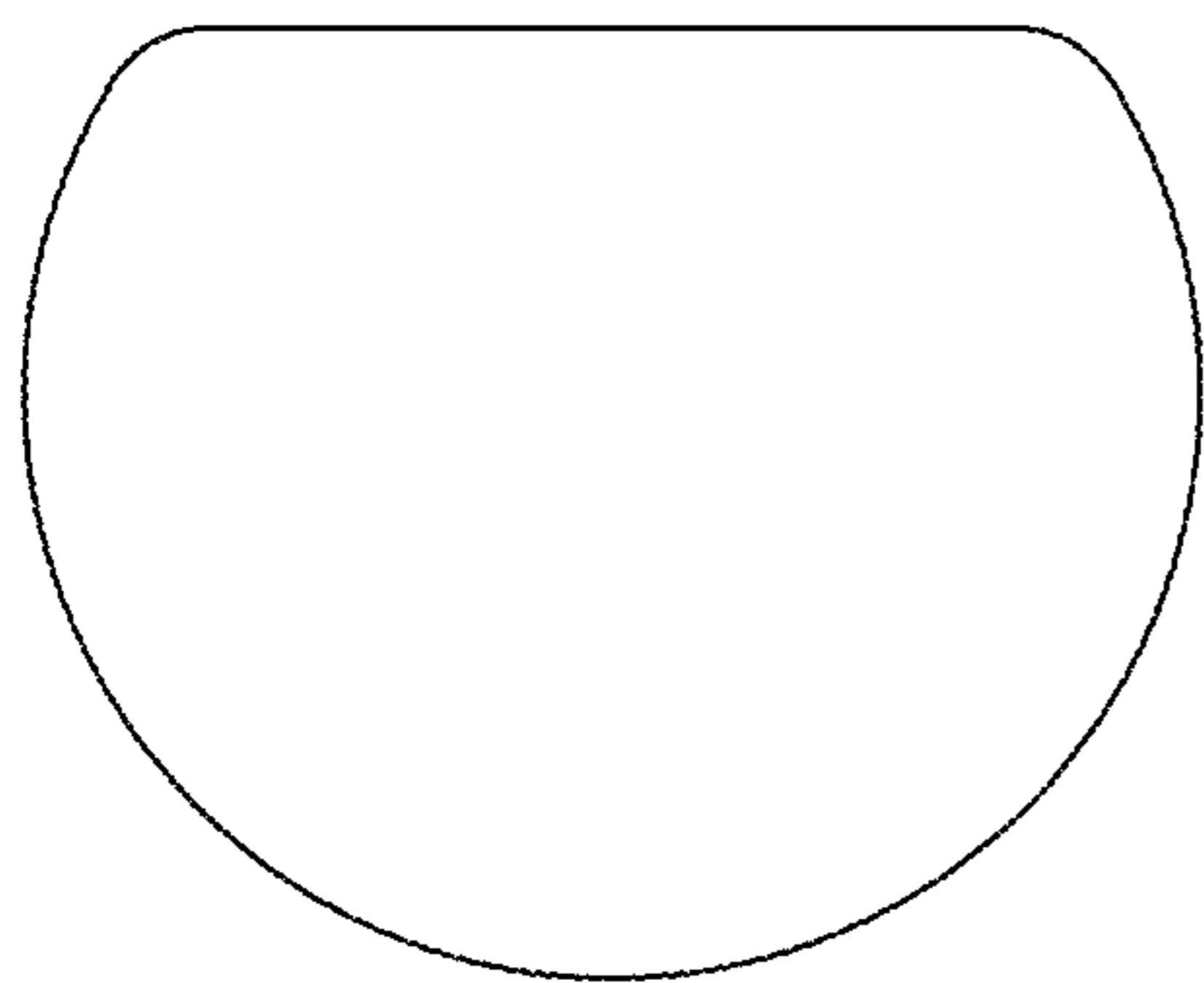


Figure 17

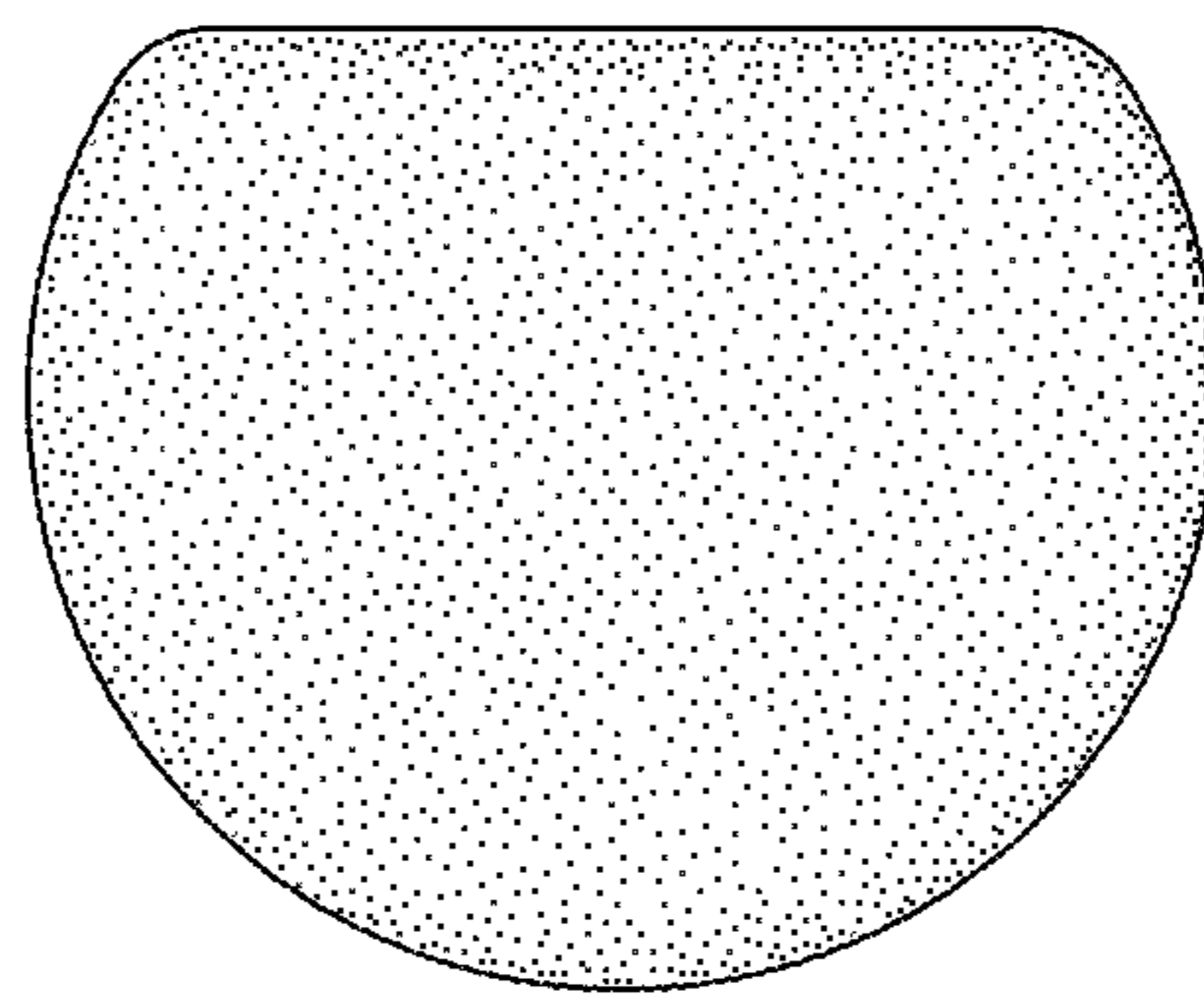


Figure 18

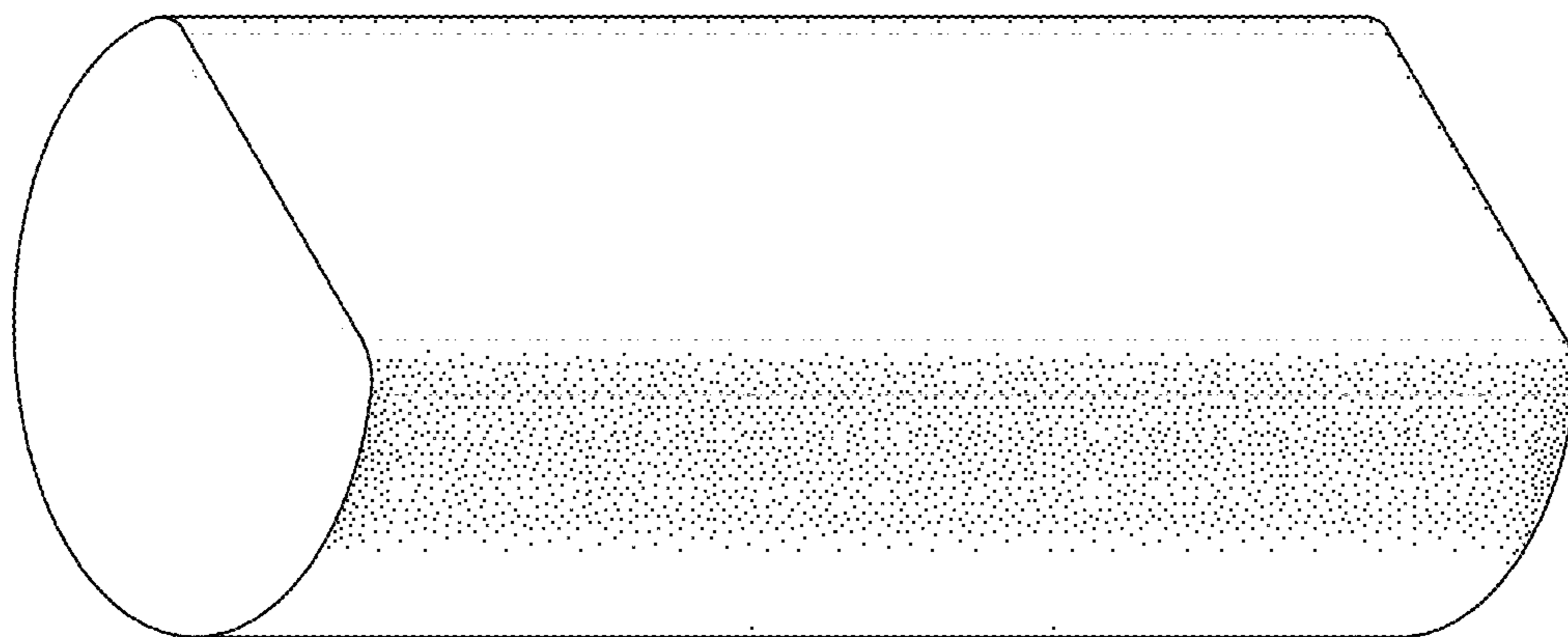


Figure 15

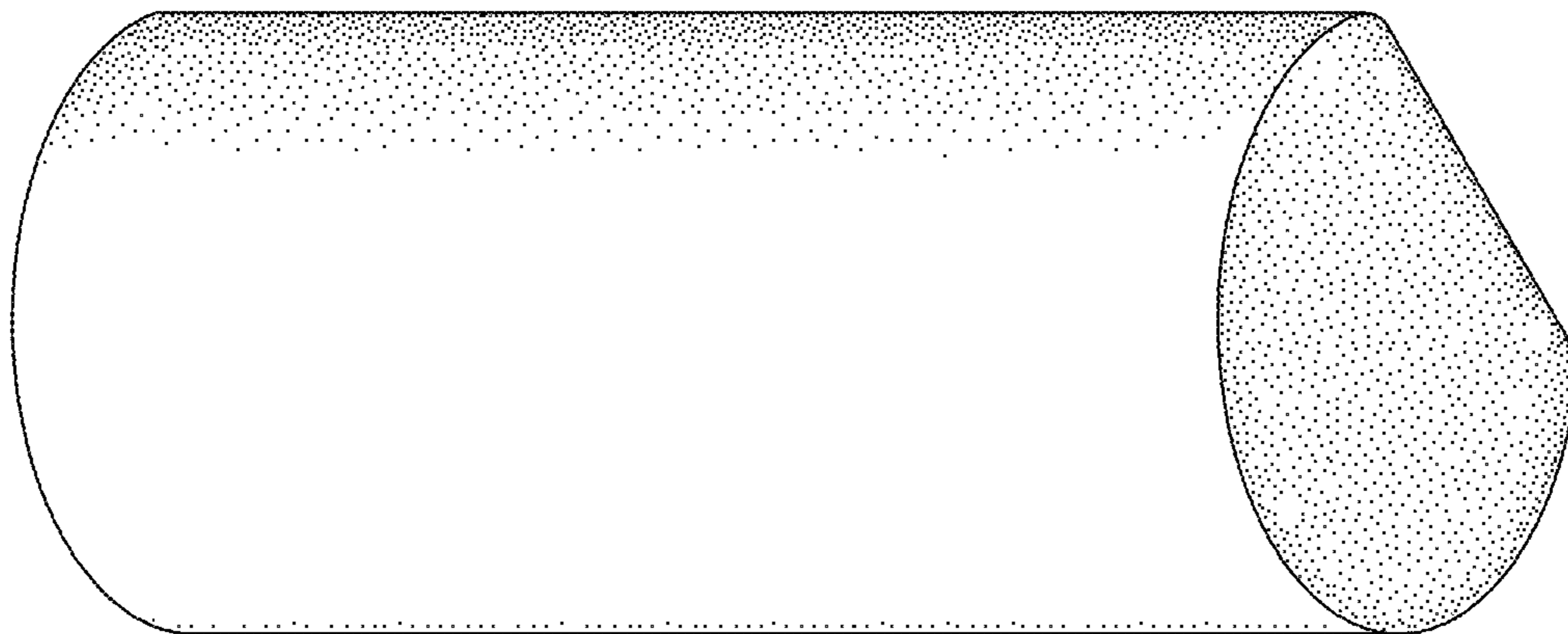


Figure 14

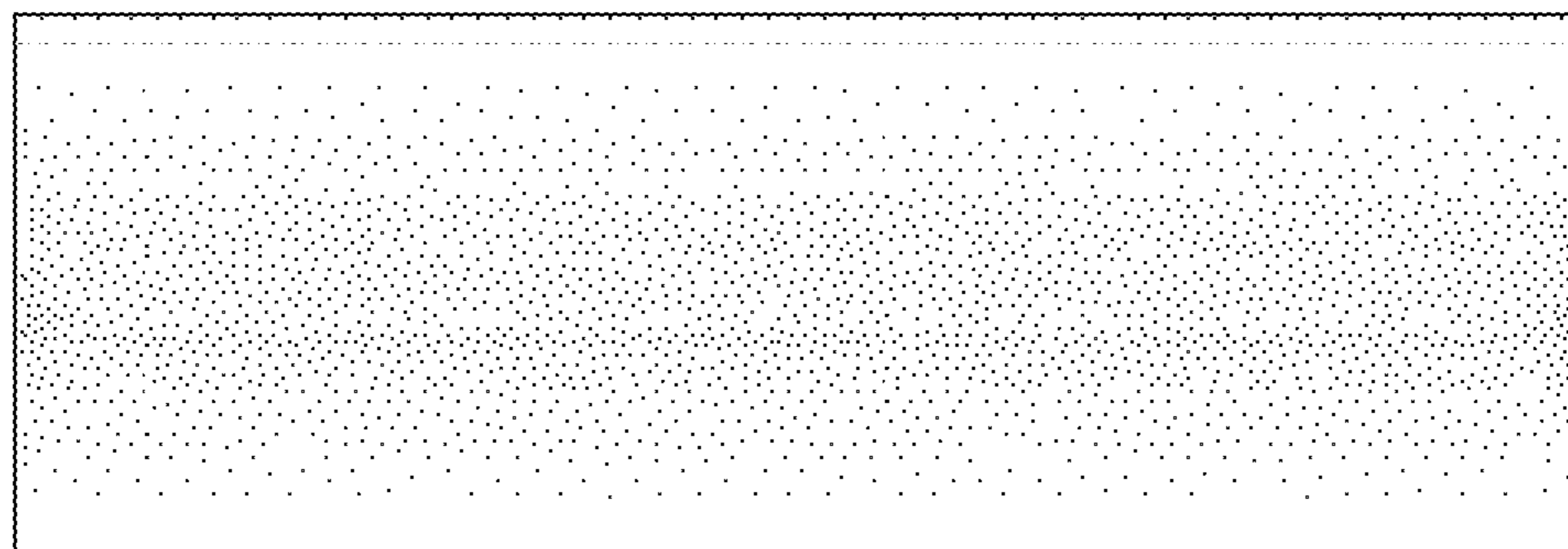


Figure 16