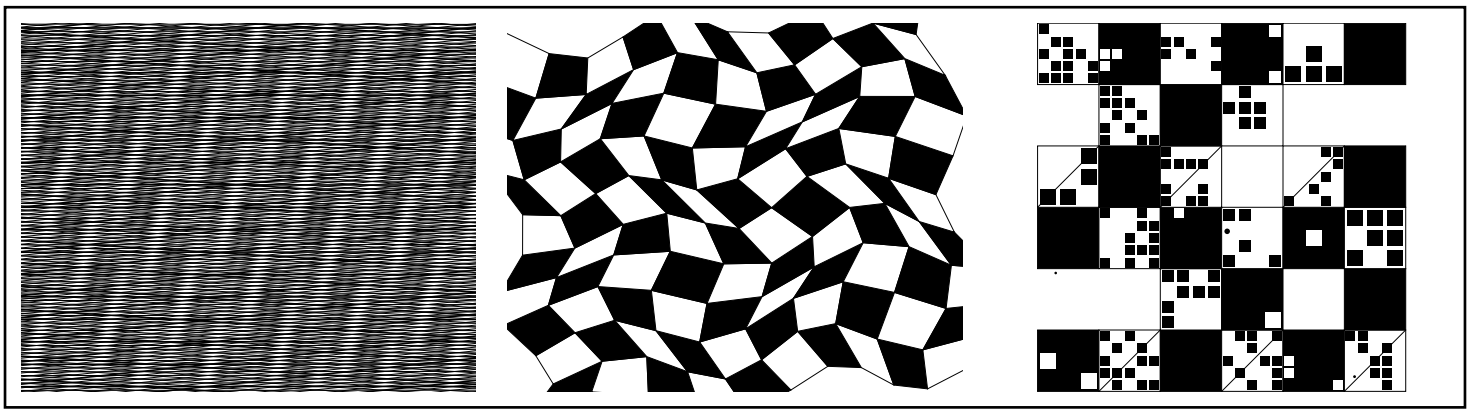
CV Pattern Pack (printable)

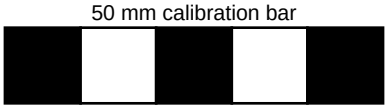
Patterns for testing computer vision / AI robustness in a school art project.

- Print at 100% scale (no auto-scaling). Use the 50 mm bar to verify.
- Test: straight-on photo, angled photo, different lighting, and slight motion blur.
- Observe which stage fails: thresholding, edge detection, keypoints, homography, OCR, classifier, etc.
- Optional: add your own 'ground truth' by tracing regions on a transparent sheet.

Preview (full-size patterns on next pages)



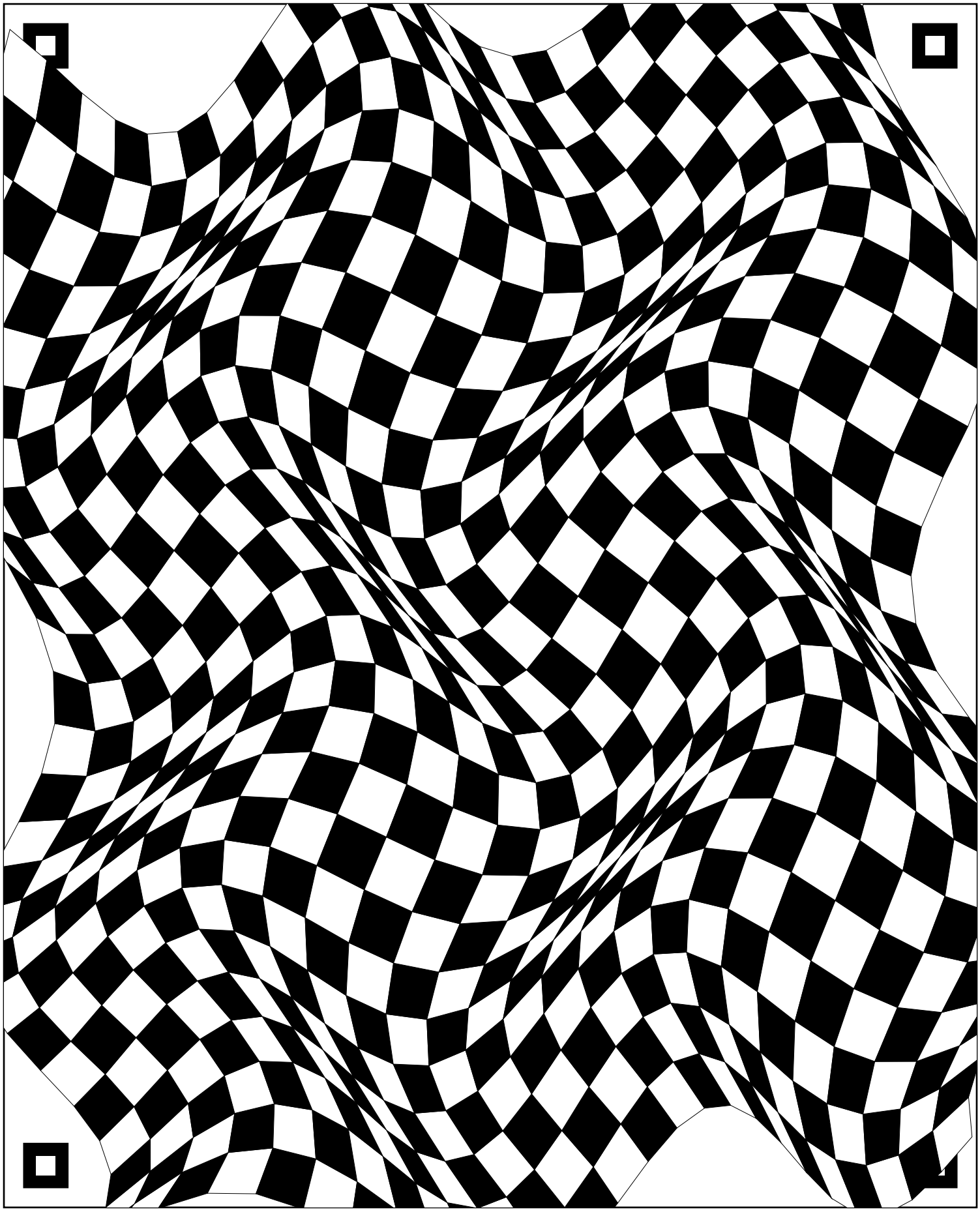
50 mm calibration bar



Print at 100% (no scaling / no 'fit to page')

Pattern 1 - Warped checkerboard (grid & corner stress)

A4. High contrast patterns + fiducials + calibration.

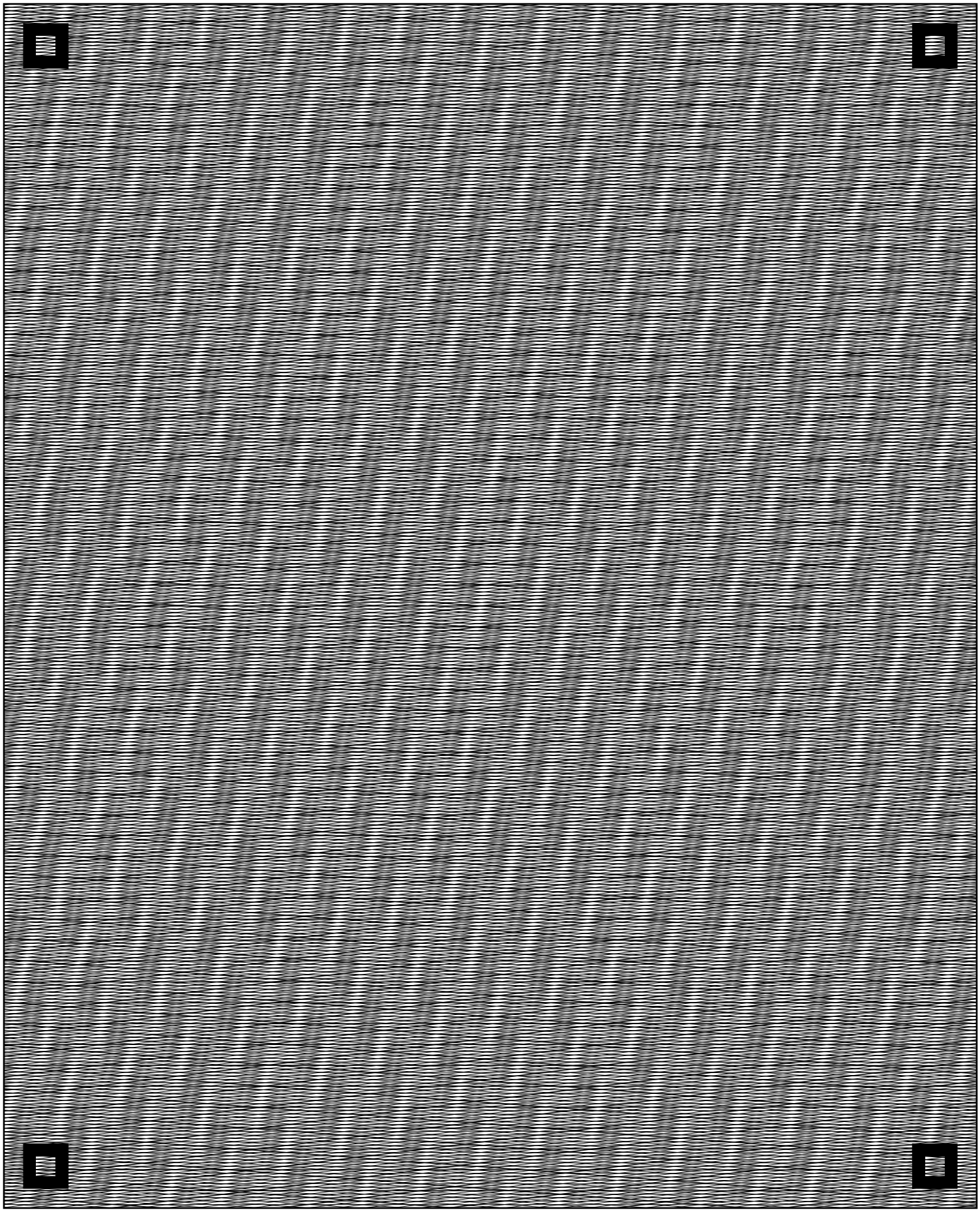


50 mm calibration bar

Print at 100% (no scaling / no 'fit to page')

Pattern 2 - Moire line field (aliasing & frequency stress)

A4. High contrast patterns + fiducials + calibration.

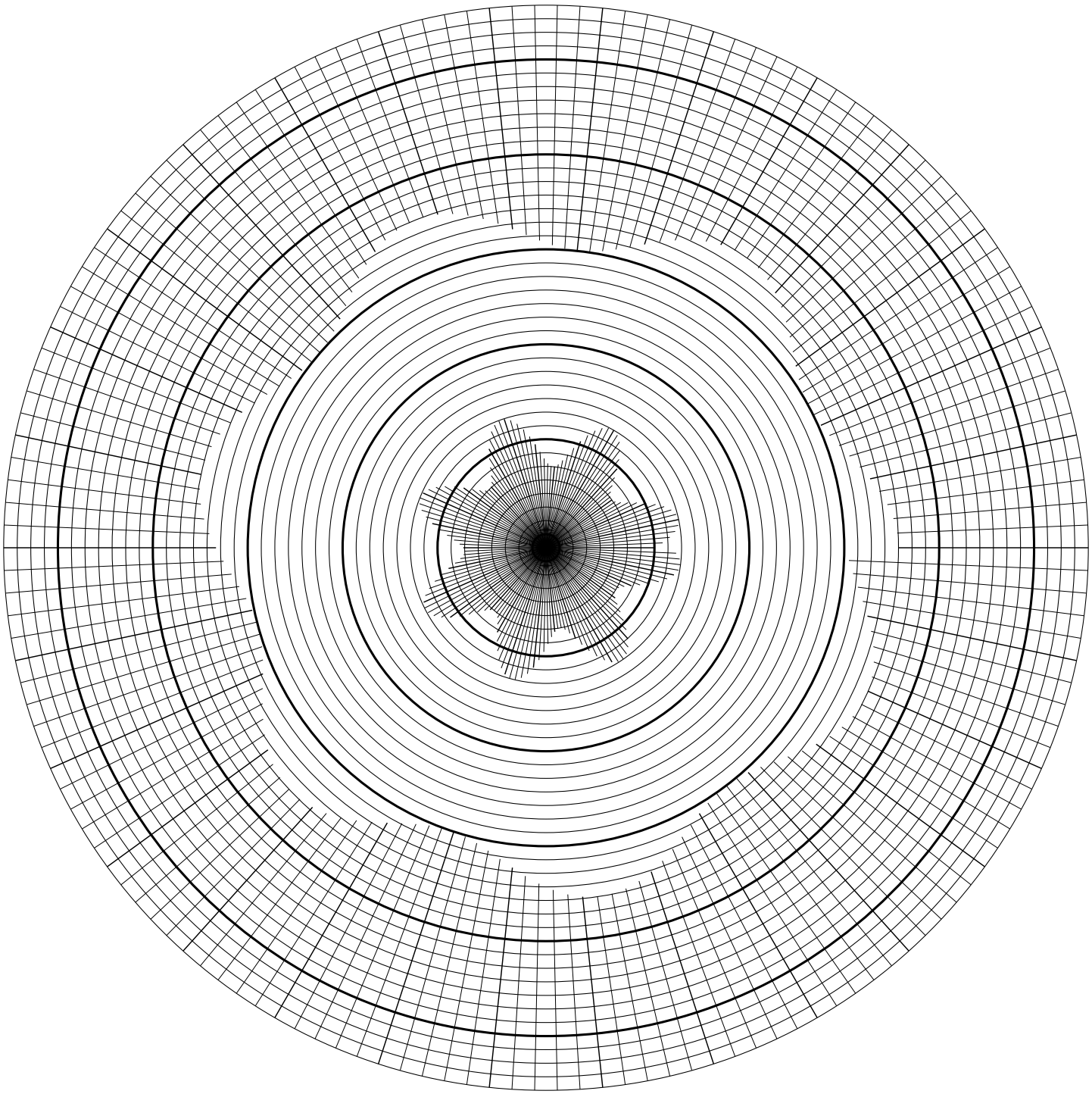


50 mm calibration bar

Print at 100% (no scaling / no 'fit to page')

Pattern 3 - Concentric rings + broken rays (Hough/radial stress)

A4. High contrast patterns + fiducials + calibration.

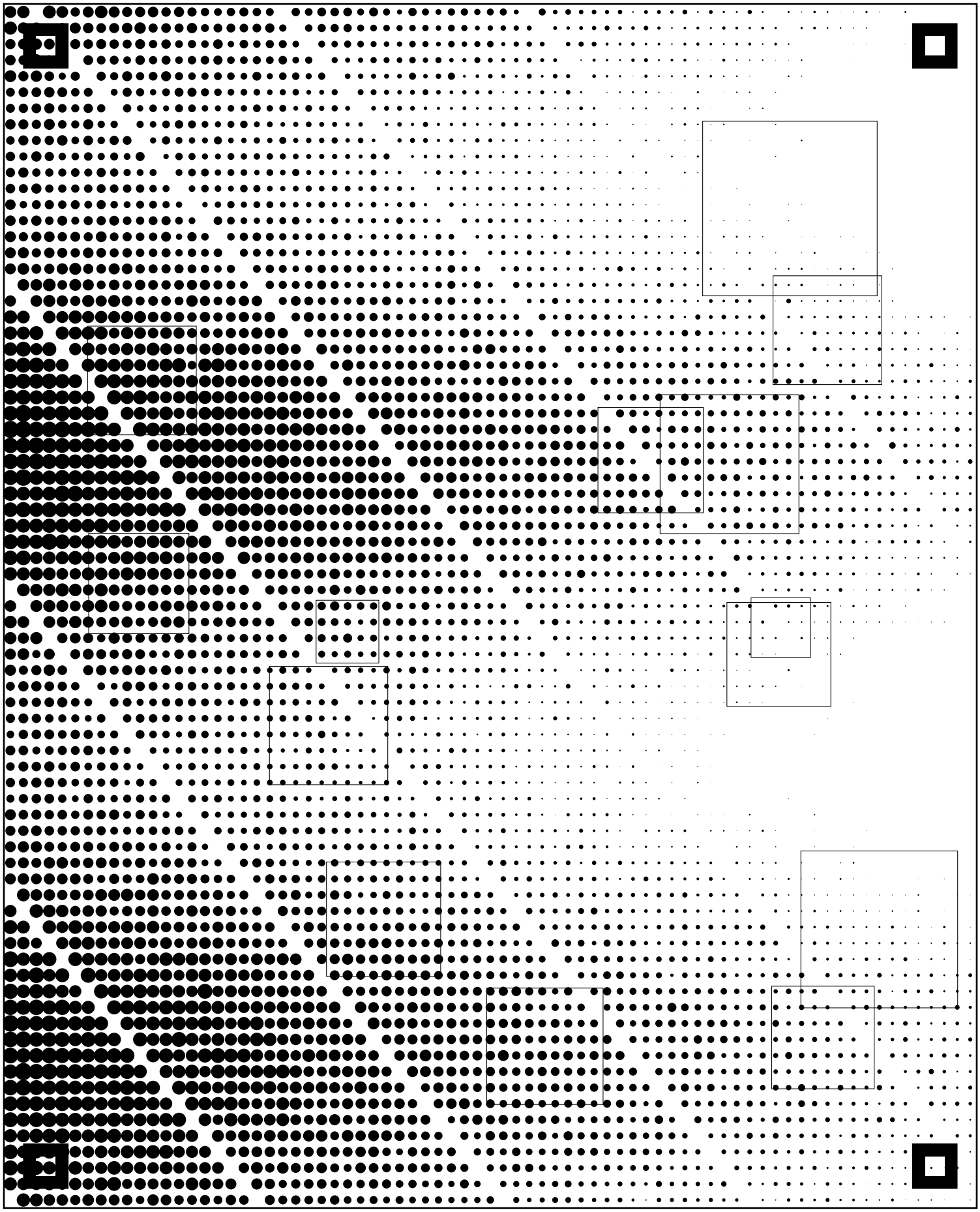


50 mm calibration bar

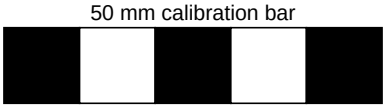
Print at 100% (no scaling / no 'fit to page')

Pattern 4 - Halftone dot gradient + outlines (threshold stress)

A4. High contrast patterns + fiducials + calibration.



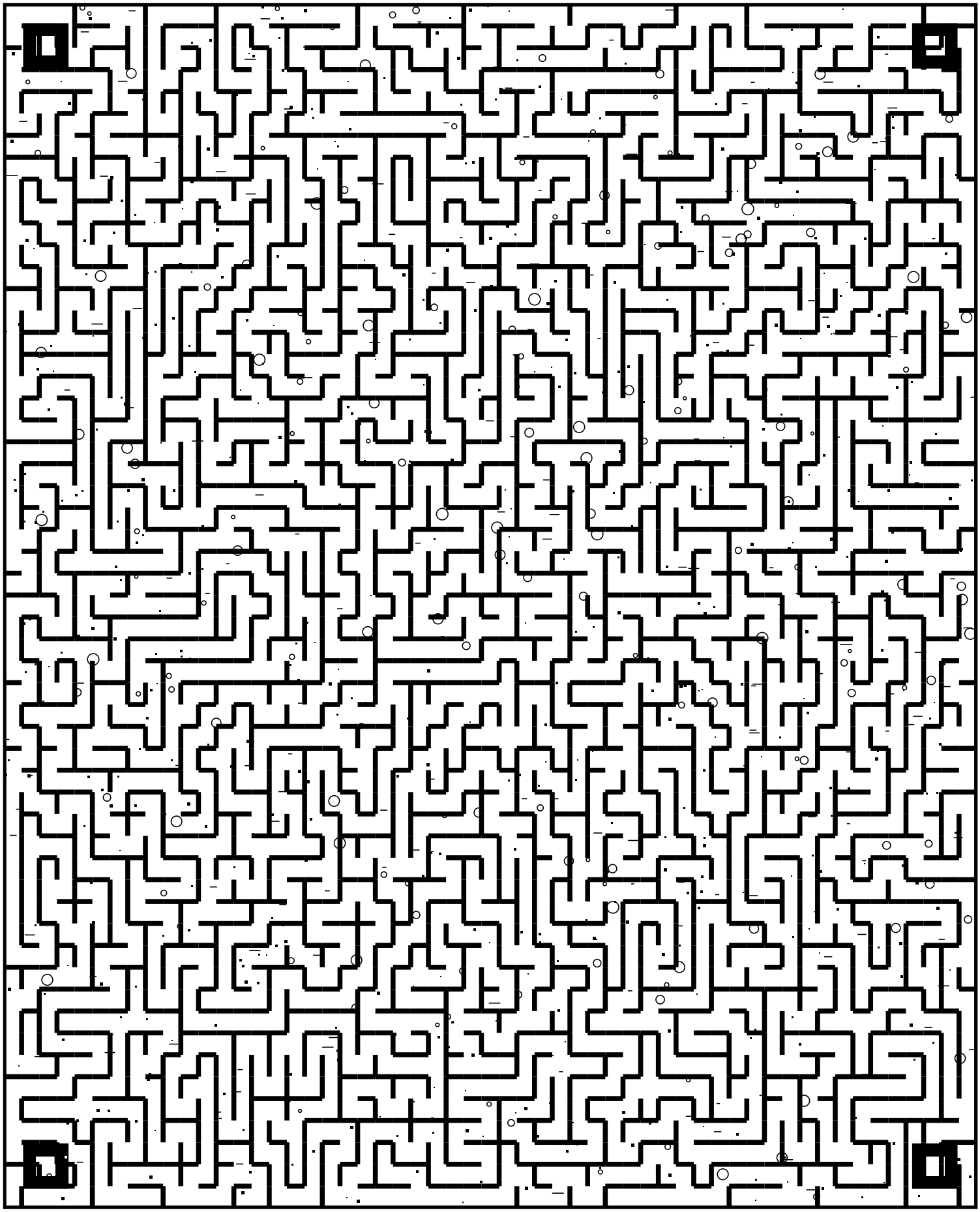
50 mm calibration bar



Print at 100% (no scaling / no 'fit to page')

Pattern 5 - Maze + speckle texture (contour/skeleton stress)

A4. High contrast patterns + fiducials + calibration.

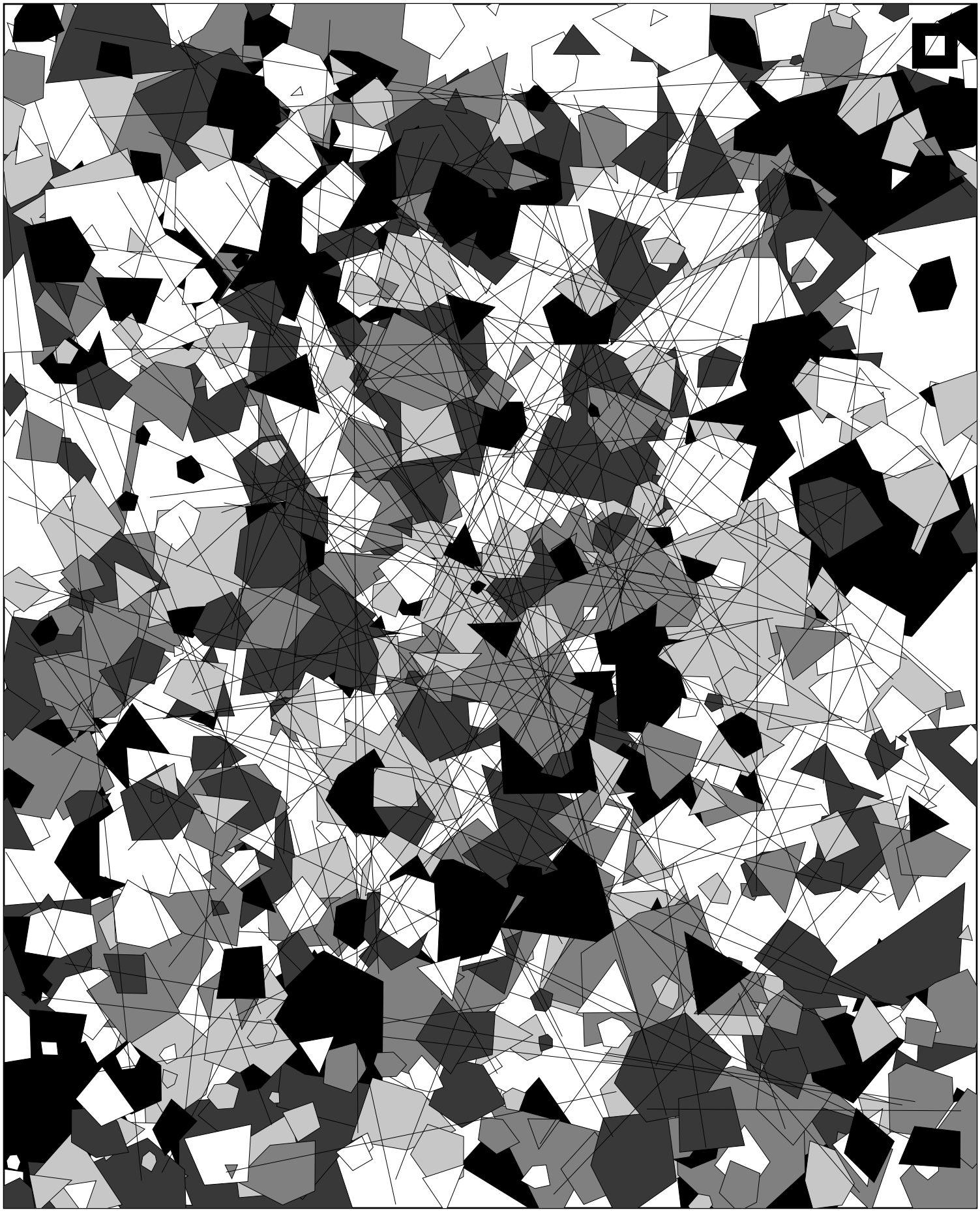


50 mm calibration bar

Print at 100% (no scaling / no 'fit to page')

Pattern 6 - Multiscale overlapping polygons (segmentation stress)

A4. High contrast patterns + fiducials + calibration.

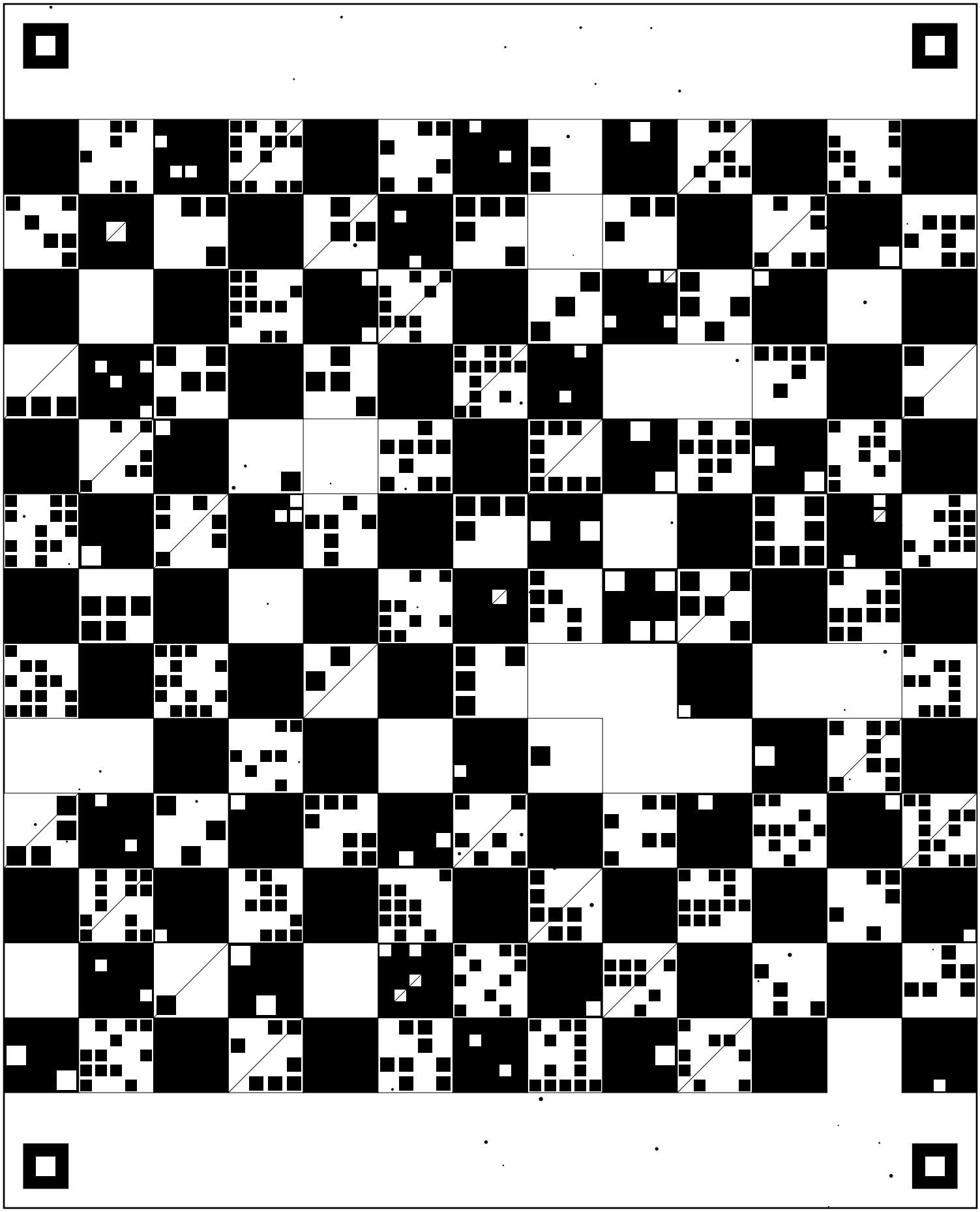


50 mm calibration bar

Print at 100% (no scaling / no 'fit to page')

Pattern 7 - Pseudo-markers grid (false-positive stress)

A4. High contrast patterns + fiducials + calibration.



50 mm calibration bar

Print at 100% (no scaling / no 'fit to page')