Positions through triangulating

△1
Image differences

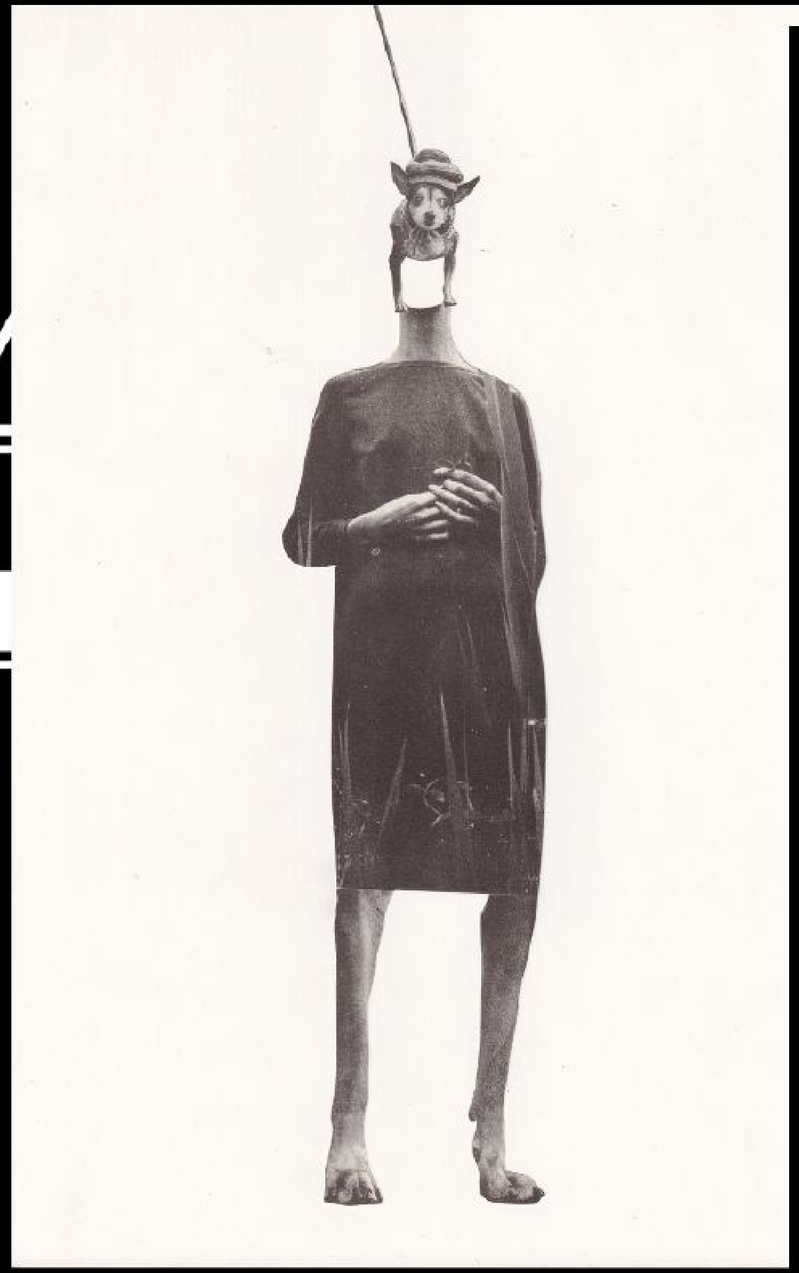
△1

Image differences

A
In nces



One image

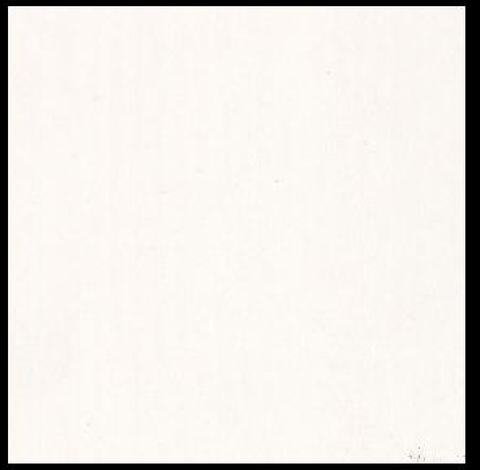




A / Head



B / Hands



C / Paper



D / Leg

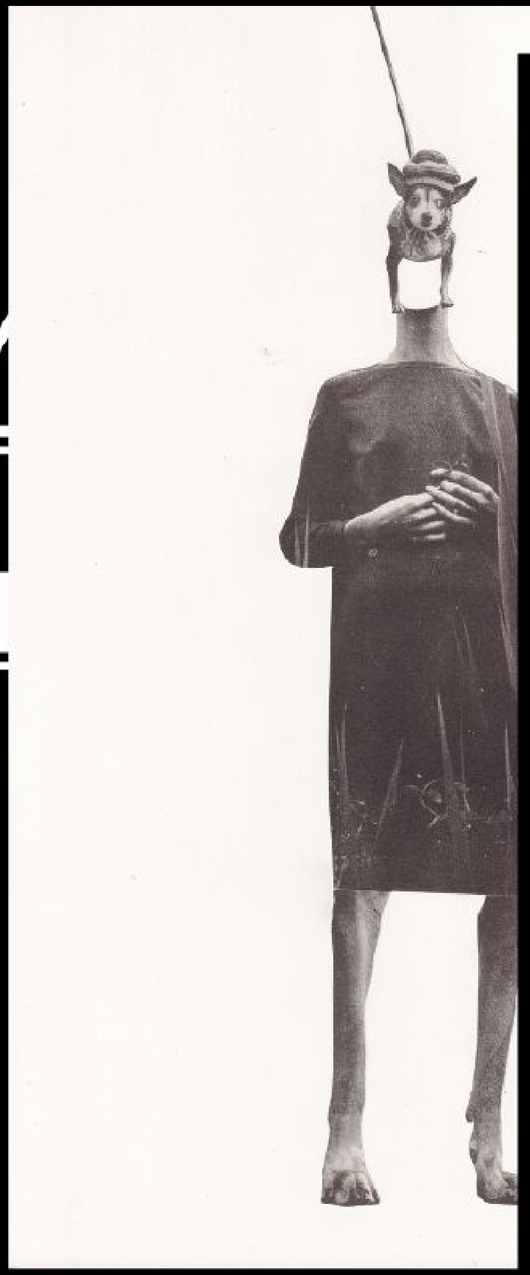


E / Left foot



F / Right foot

6 crops / 1024 × 1024 px



Fixed rules

Crop	1024 × 1024 px / 6 regions
Resolution	1024 / 512 / 256 / 128 px
JPEG quality	Q90 / Q60 / Q30 / Q10
Encoding	4:4:4 / independent versions
Downsample	Lanczos
Restore	Nearest neighbour / 1024 px
Control	PNG before JPEG / 24 images

96 JPEG + 24 PNG = 120 images

Q is an encoder setting, not an information percentage.

Fixed rules

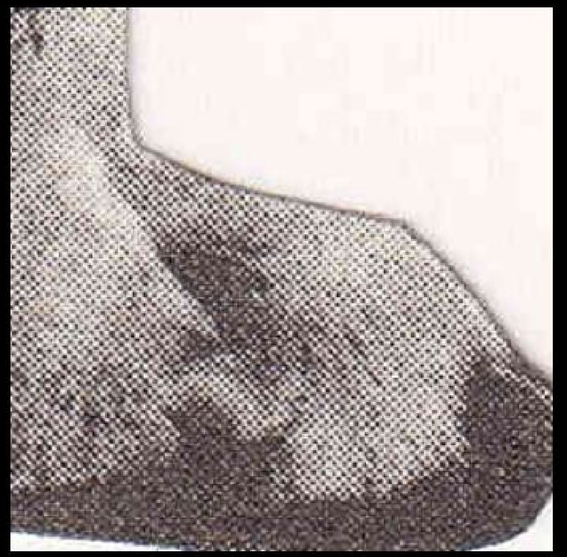
1024 px



Q90



Q60



Q30



Q10

Same window / different JPEG settings

Q60



1024 px



512 px



256 px



128 px

Same window / nearest-neighbour display

RGB difference

PIL.ImageChops.**lighter**(image1: **Image**, image2: **Image**) → **Image** [source]

Compares the two images, pixel by pixel, and returns a new image containing the lighter values.

```
out = max(image1, image2)
```

RETURN TYPE:

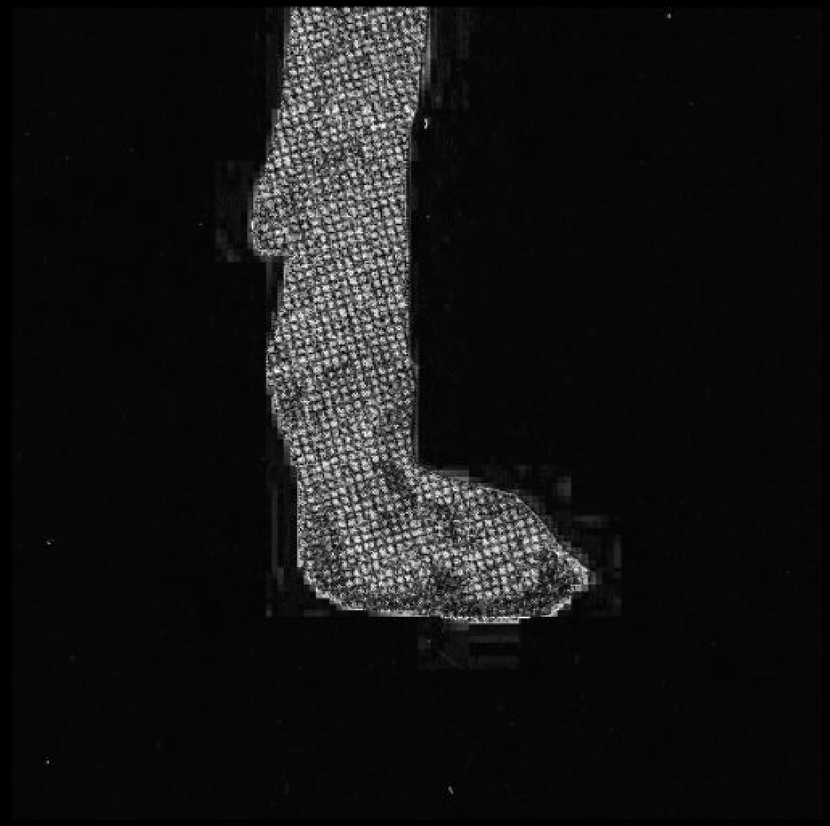
`Image`



Original crop

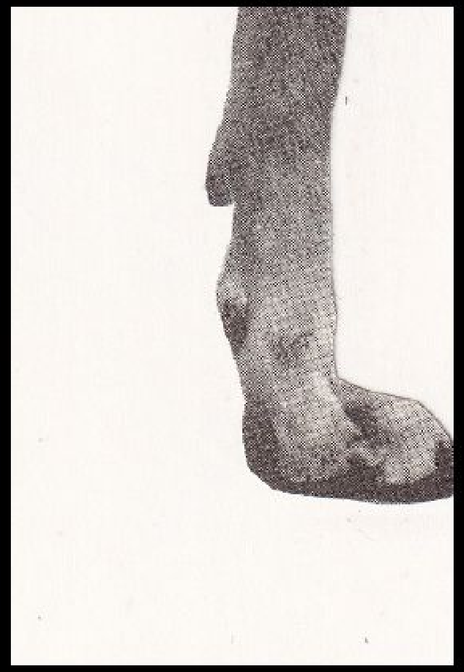


128 px / Q10

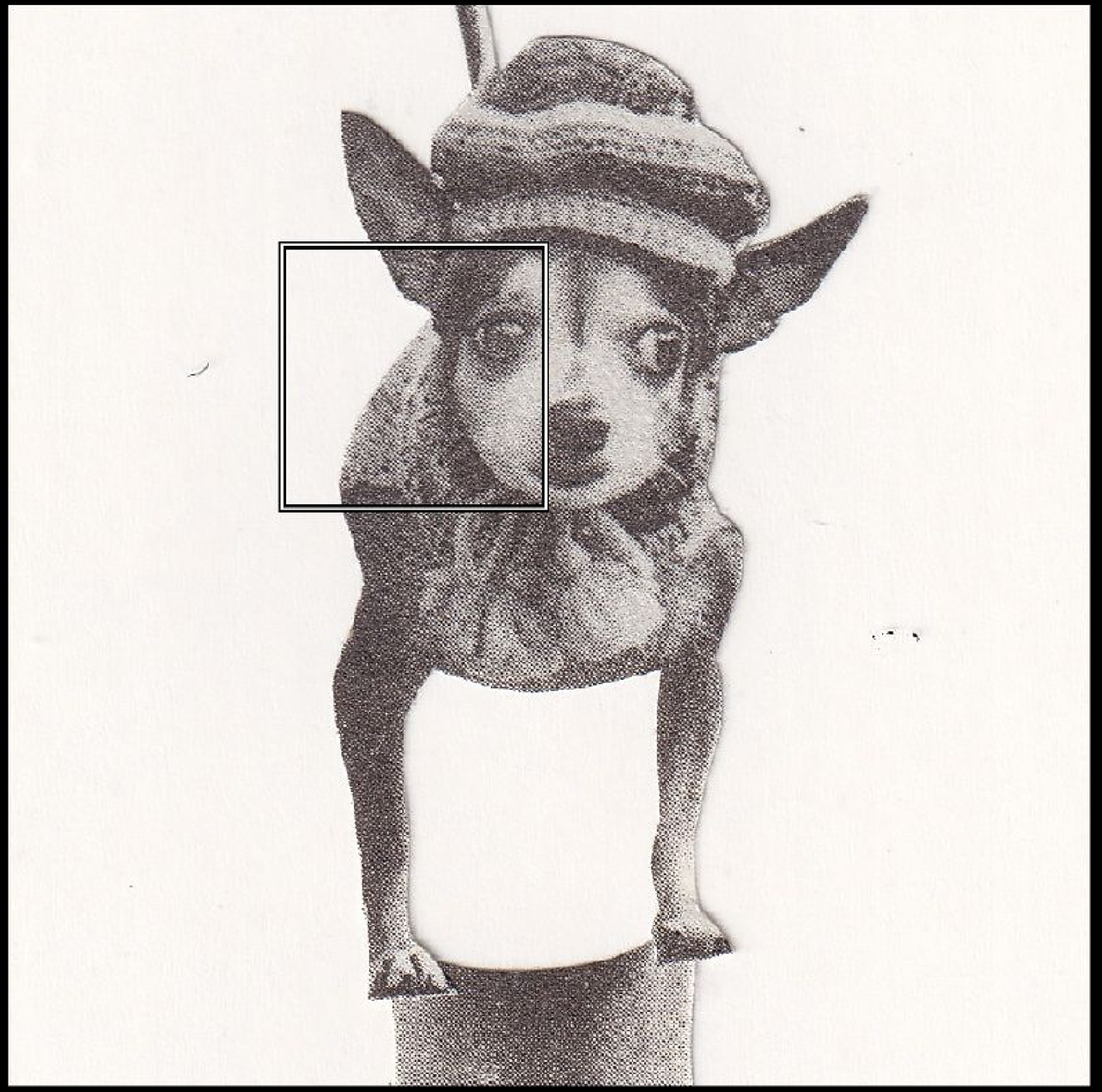


Absolute difference ×2

RGB differ



Original crop



A / HEAD + NECK

WINDOW x=256, y=224, w=256, h=256 px / CROP 1024 x 1024 px

mage [source]

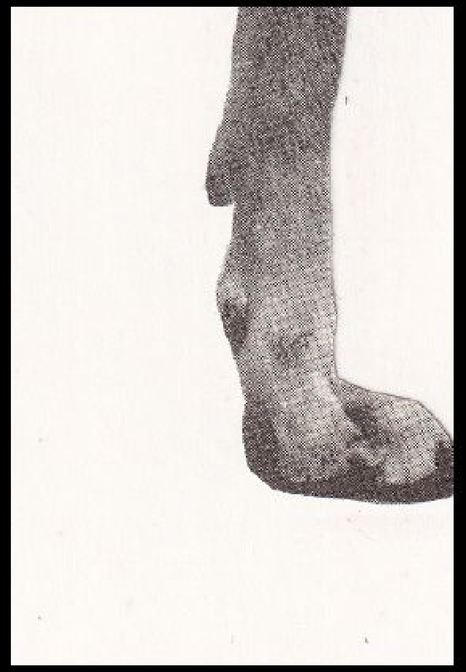
nage containing the lighter values.



:2

Q60

RGB differ



Original crop



A / HEAD + NECK

WINDOW x=256, y=224, w=256, h=256 px

	PRE-JPEG PNG	Q90	Q60	Q30	Q10
1024 px	 Resize / MAE 0.000	 255.7 KiB / MAE 0.823	 129.1 KiB / MAE 2.028	 85.5 KiB / MAE 5.488	 57.4 KiB / MAE 8.814
512 px	 Resize / MAE 8.608	 64.0 KiB / MAE 8.967	 29.4 KiB / MAE 9.723	 20.2 KiB / MAE 10.918	 12.8 KiB / MAE 12.526
256 px	 Resize / MAE 10.951	 14.8 KiB / MAE 11.156	 7.1 KiB / MAE 11.472	 5.4 KiB / MAE 12.110	 4.0 KiB / MAE 13.420
128 px	 Resize / MAE 11.795	 5.0 KiB / MAE 12.021	 3.0 KiB / MAE 12.397	 2.5 KiB / MAE 13.085	 2.0 KiB / MAE 14.450

A / HEAD + NECK / FULL-CROP COMPARISON

Full 1024 × 1024 crops displayed at 256 × 256. MAE is measured over the full crop.

Q = encoder quality, not retained information %. JPEG 4:4:4. Each version encoded independently.

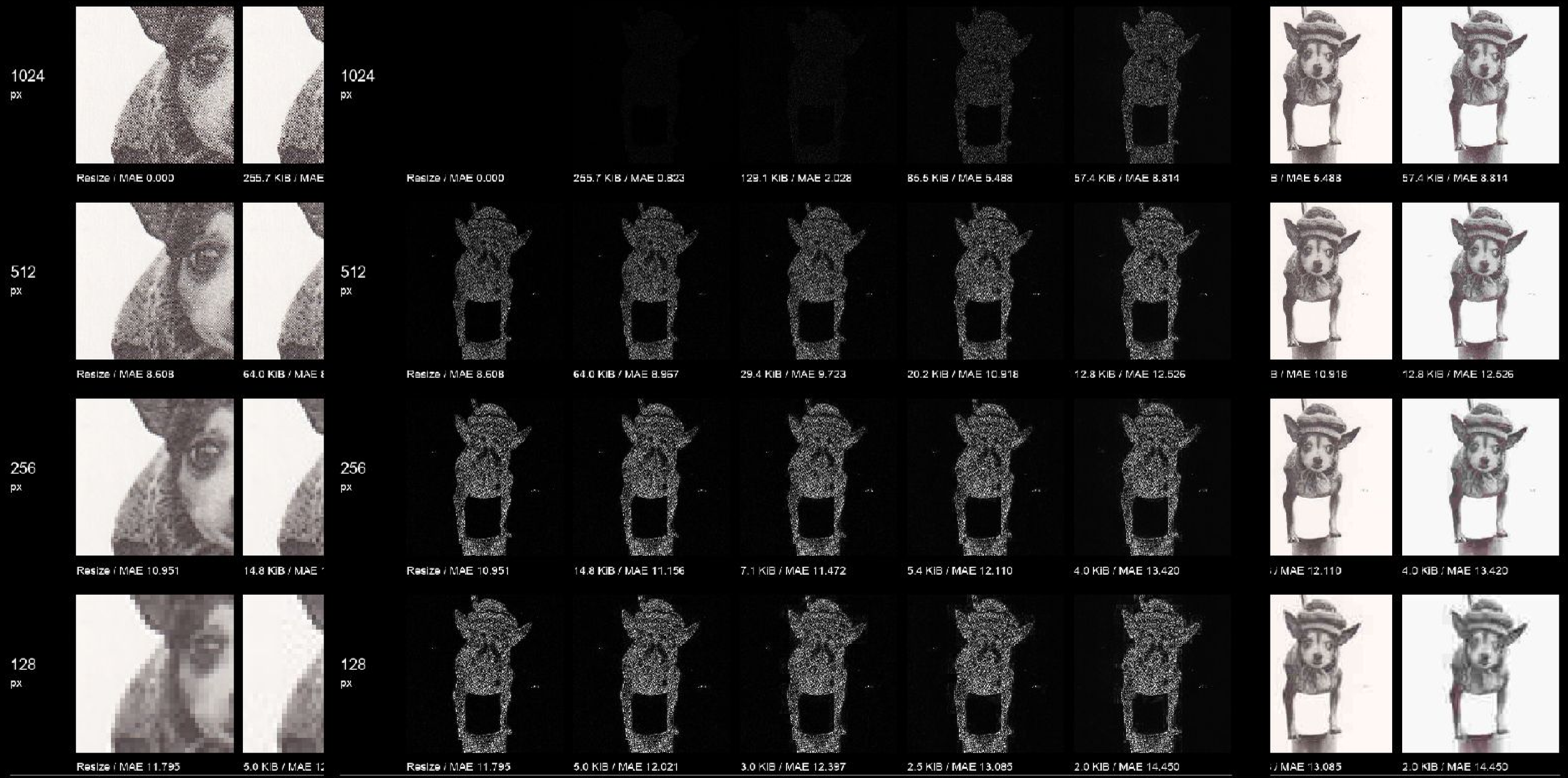
Lanczos downsampling; nearest-neighbour restoration to 1024. Pixel grids are not solely JPEG artifacts.



A / HEAD + NECK / 1:1 DETAIL

Same 256 x 256 window at 1:1. MAE is measured over the full 1024 x 1024 crop, not this window.
Q = encoder quality, not retained information %. JPEG 4:4:4. Each version encoded independently
Lanczos downsampling; nearest-neighbour restoration to 1024. Pixel grids are not solely JPEG artifacts.

measured over the full crop.
4:4:4. Each version encoded independently
to 1024. Pixel grids are not solely JPEG artifacts.



A / HEAD + NECK / 1:1 DETAIL

Same 256 x 256 window at 1:1. MAE is measured over the full 1

Q = encoder quality, not retained information %. JPEG 4:4:4. Ea

Lanczos downsampling; nearest-neighbour restoration to 1024. I

A / HEAD + NECK / TOTAL DIFFERENCE / DISPLAY x2

Original crop vs restored version. Brighter = larger RGB difference. Fixed display gain x2; clipped at 255.

Q = encoder quality, not retained information %. JPEG 4:4:4. Each version encoded independently.

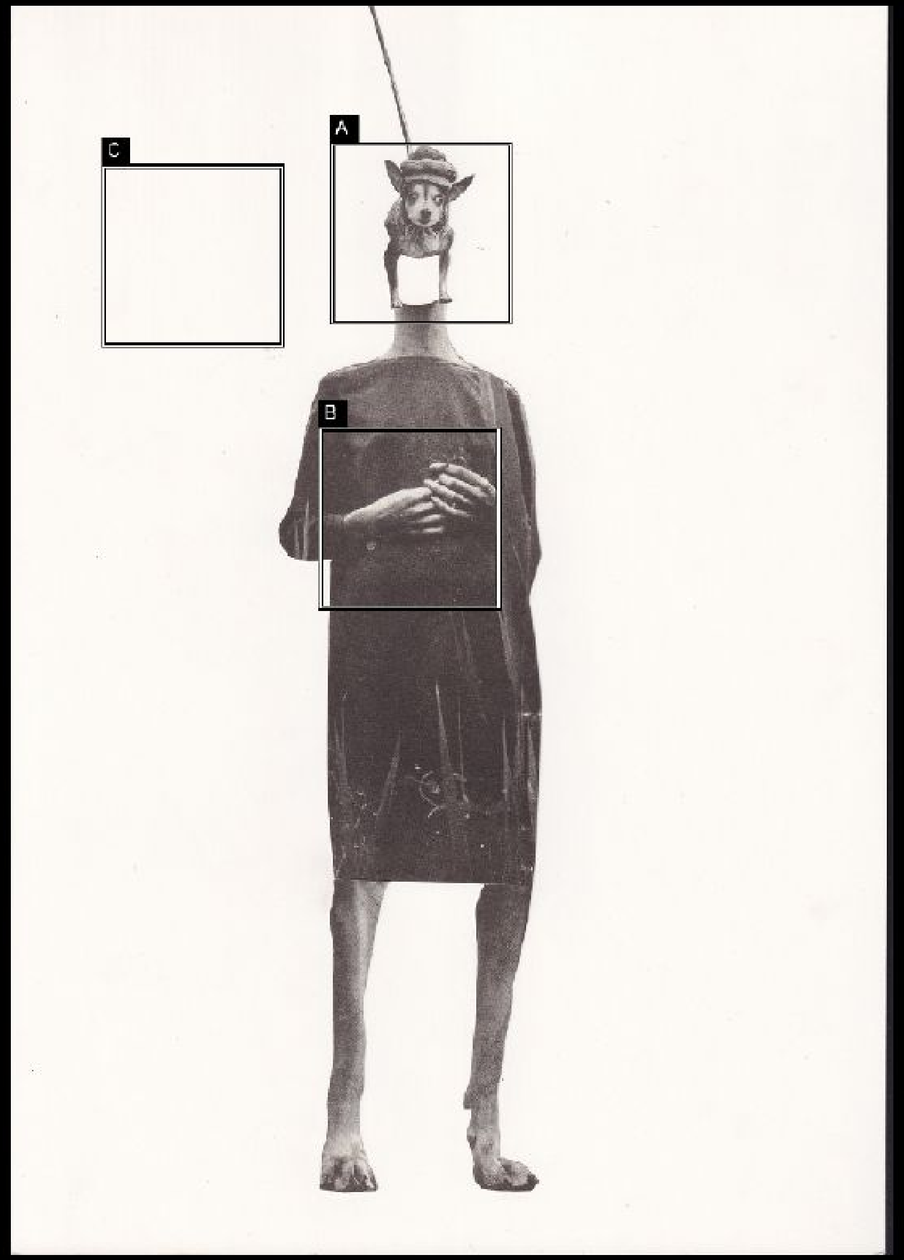
Lanczos downsampling; nearest-neighbour restoration to 1024. Pixel grids are not solely JPEG artifacts.

1024 px

512 px

256 px

128 px



A / HEAD + NECK



x=1792, y=768 / 1024 x 1024 px

B / HANDS + CLOTH



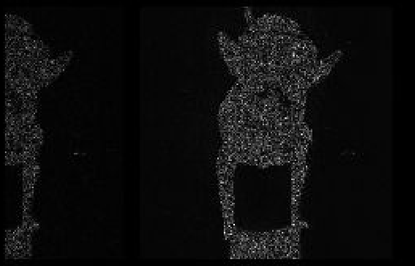
x=1728, y=2368 / 1024 x 1024 px

C / PAPER

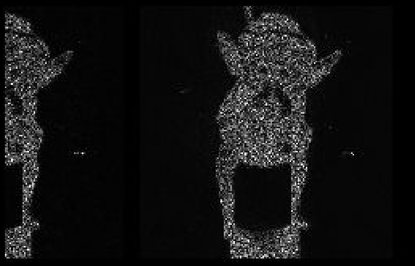


x=512, y=896 / 1024 x 1024 px

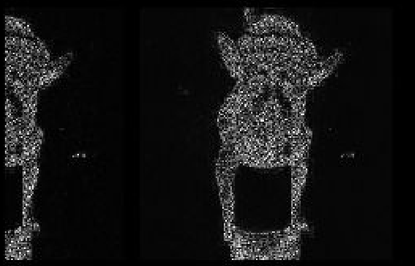
Q10



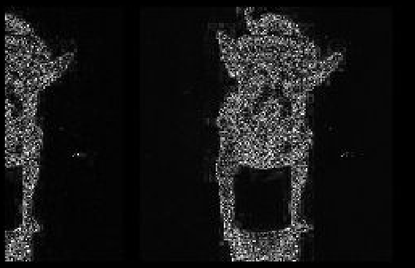
.488 57.4 KiB / MAE 8.814



0.918 12.8 KiB / MAE 12.526



.110 4.0 KiB / MAE 13.420



.085 2.0 KiB / MAE 14.450

Q10



B / MAE 8.488



57.4 KiB / MAE 8.814



B / MAE 10.918



12.8 KiB / MAE 12.526



/ MAE 12.110



4.0 KiB / MAE 13.420



/ MAE 13.085



2.0 KiB / MAE 14.450

A / HEAD
Same 256
Q = encoder
Lanczos d

IMG_20230811_0004.jpg / 4960 x 7014 px / Tao

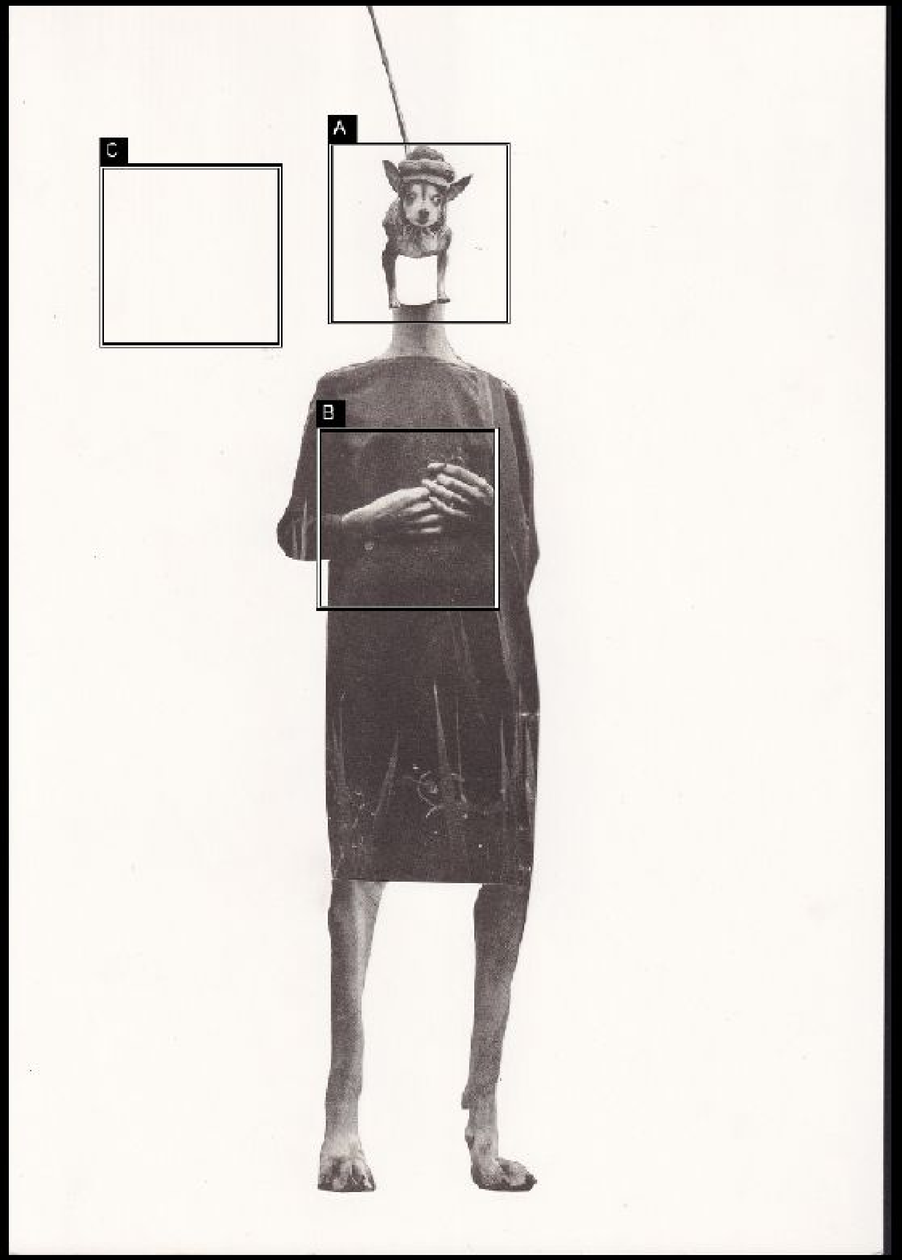
Origin: top-left. Right and bottom bounds excluded. Source JPEG preserved.

1024 px

512 px

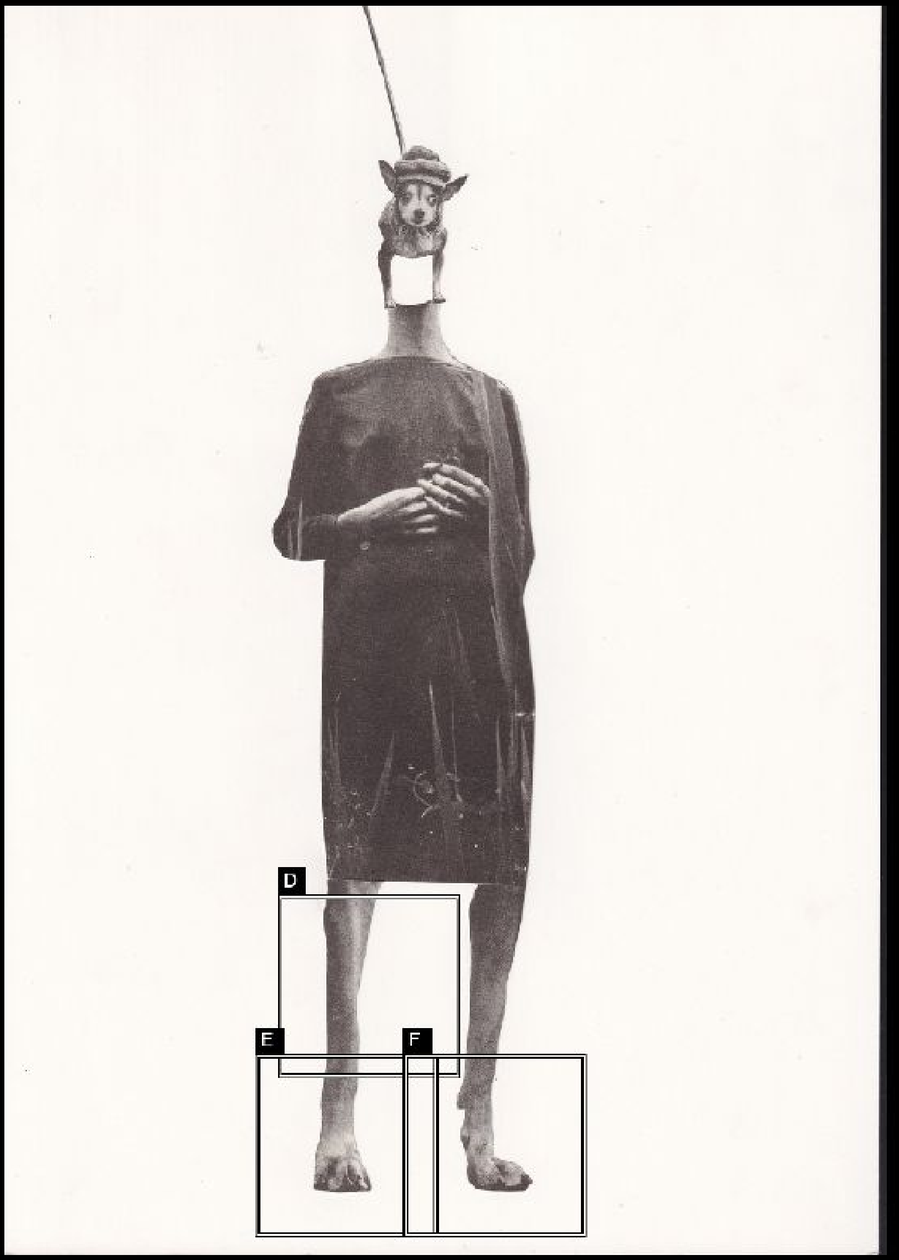
256 px

128 px



IMG_20260811_0004.jpg / 4960 x 7014 px / Tao

Origin: top-left. Right and bottom bounds excluded. Source JPEG preserved.



IMG_20260811_0004.jpg / 4960 x 7014 px / Tao

Origin: top-left. Right and bottom bounds excluded. Source JPEG preserved.

D / IMAGE-LEFT LEG



x=1536, y=4992 / 1024 x 1024 px

E / IMAGE-LEFT FOOT



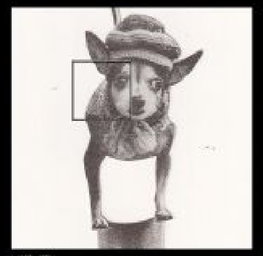
x=1408, y=5888 / 1024 x 1024 px

F / IMAGE-RIGHT FOOT

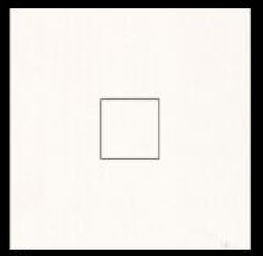


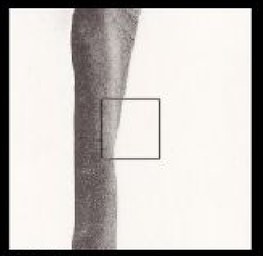
x=2240, y=5888 / 1024 x 1024 px

A / HEAD
Same 256
Q = encod
Lanczos d







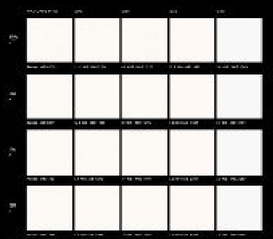




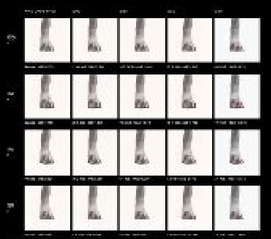


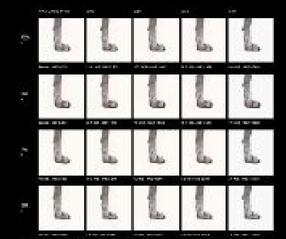


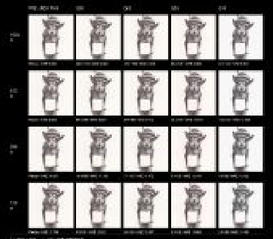




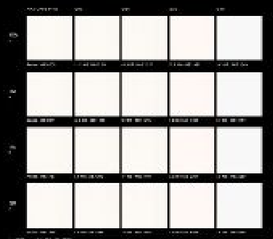


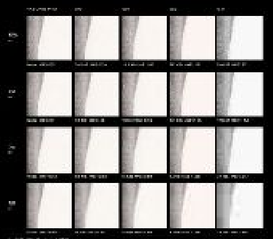






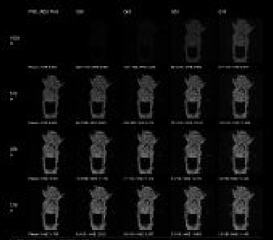


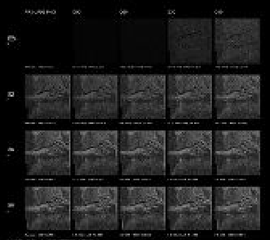








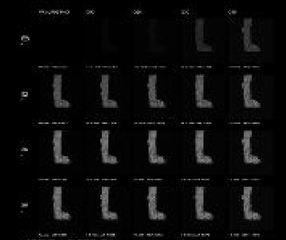












A / HEAD + NECK



PRE-JPEG / 1024



R128 / Q10



B / HANDS + CLOTH



PRE-JPEG / 1024



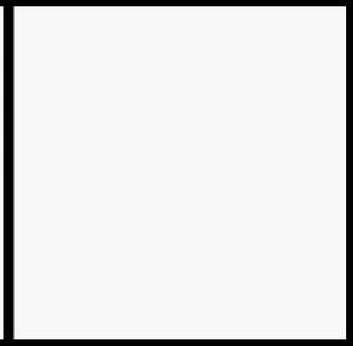
R128 / Q10



C / PAPER



PRE-JPEG / 1024



R128 / Q10



Below each pair: total RGB difference, fixed display gain x2. Brighter values indicate larger numerical changes.

The difference includes resizing and JPEG encoding; it is not a measure of semantic information loss.

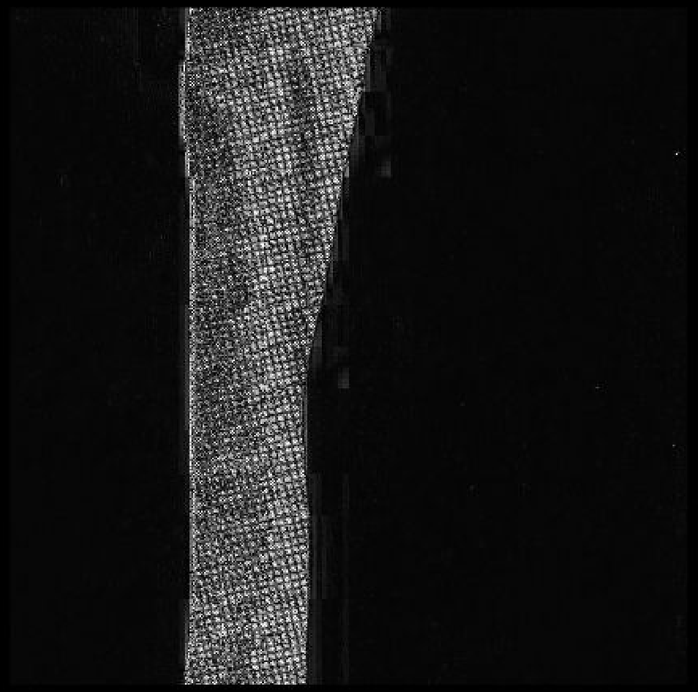
D / IMAGE-LEFT LEG



PRE-JPEG / 1024



R128 / Q10



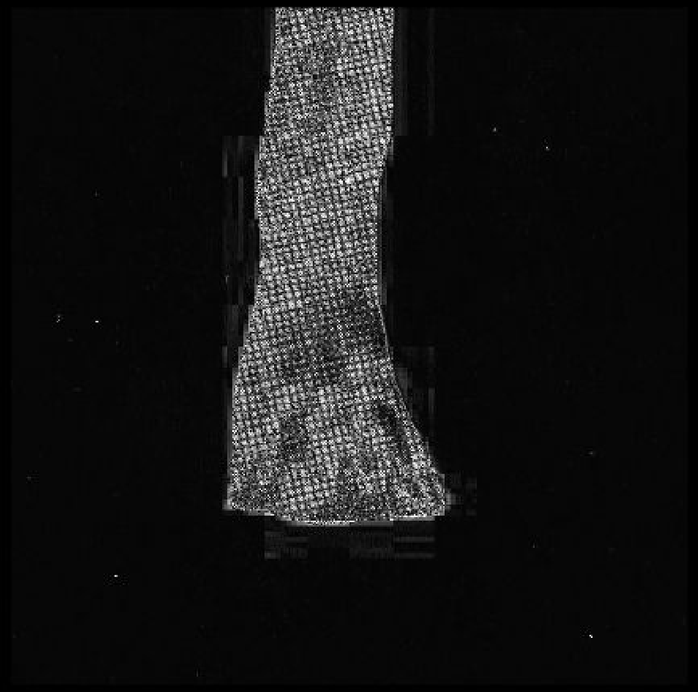
E / IMAGE-LEFT FOOT



PRE-JPEG / 1024



R128 / Q10



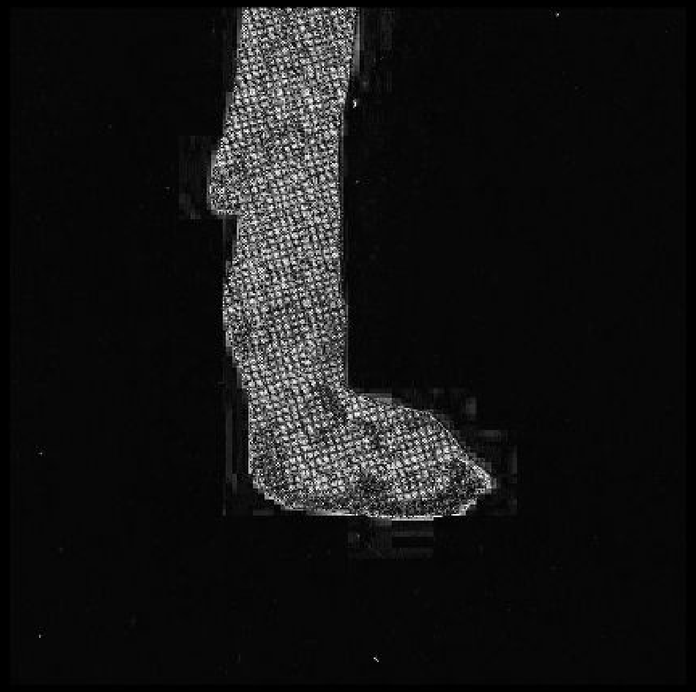
F / IMAGE-RIGHT FOOT



PRE-JPEG / 1024



R128 / Q10



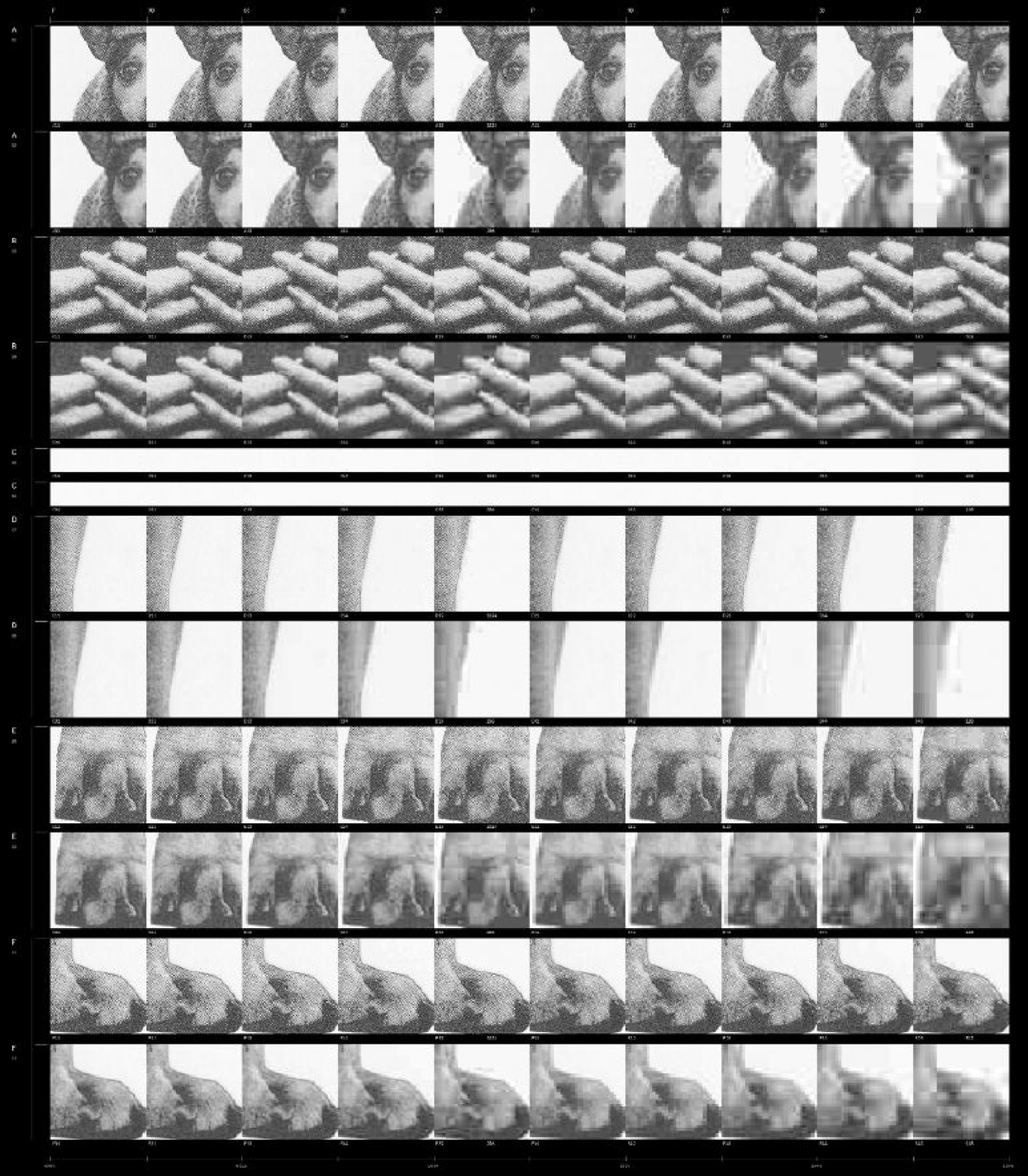
Below each pair: total RGB difference, fixed display gain x2. Brighter values indicate larger numerical changes.

The difference includes resizing and JPEG encoding; it is not a measure of semantic information loss.

2D → 3D

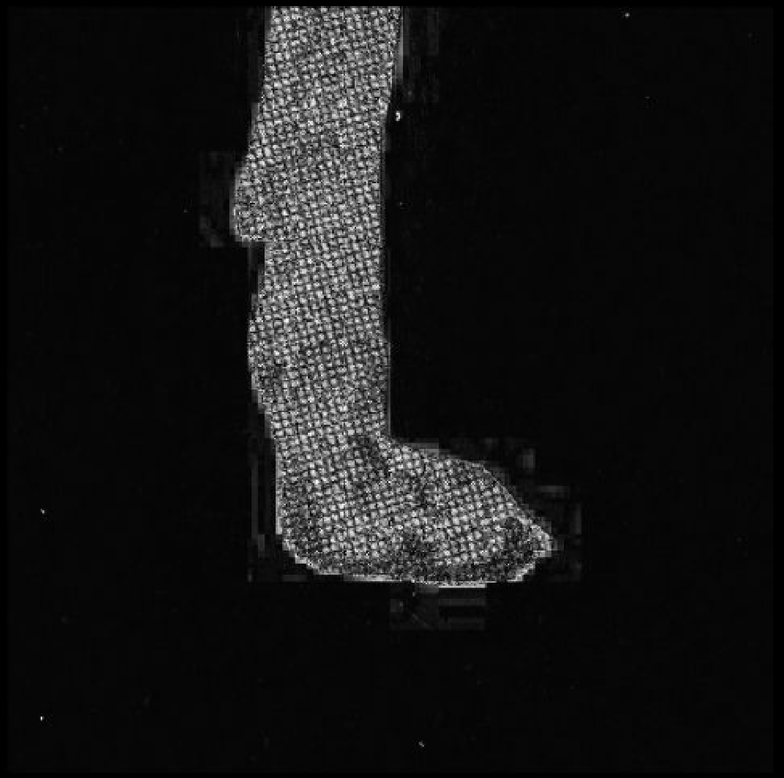
2D → 3D

120 images





Difference → height



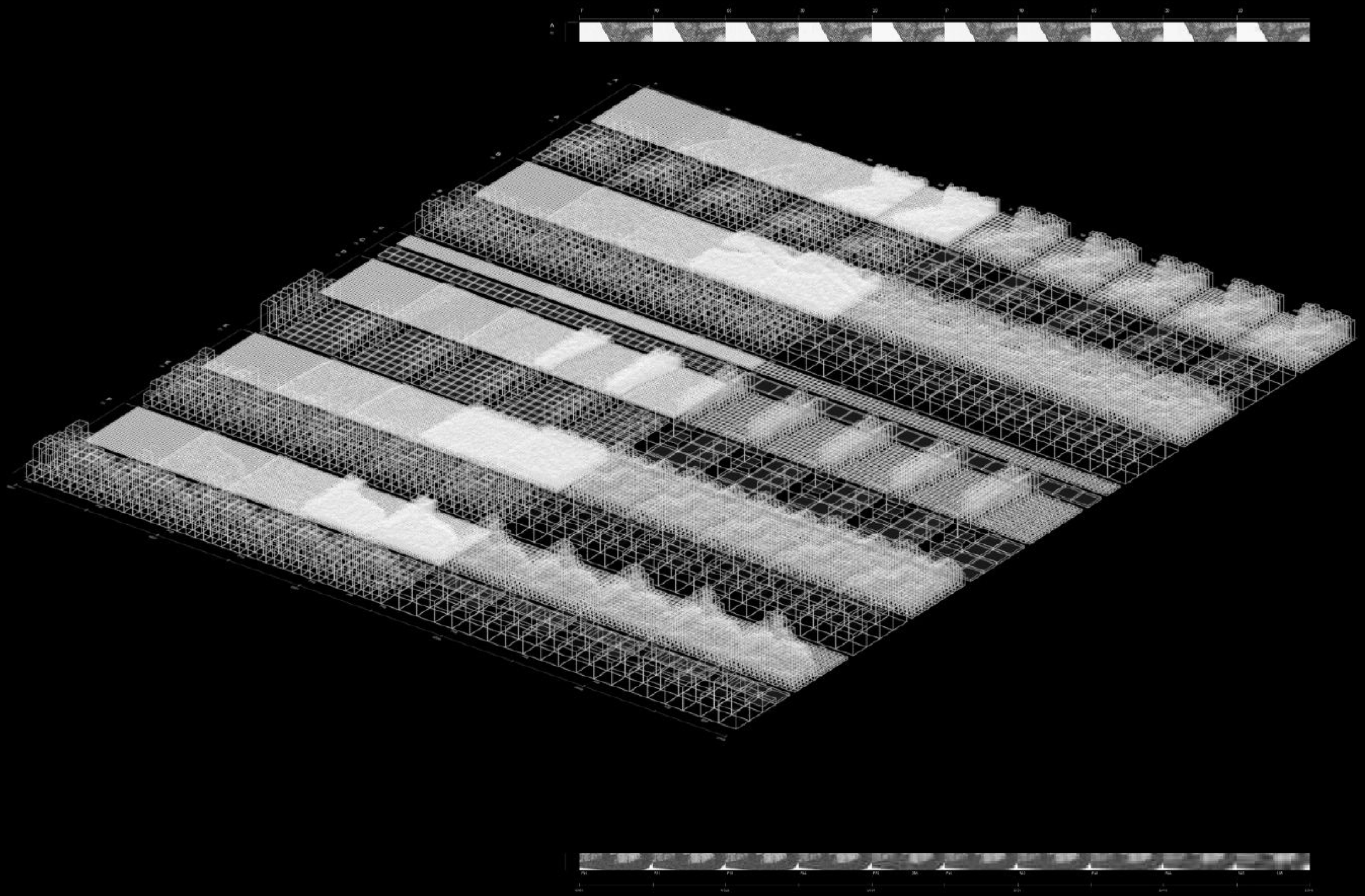
Input	Absolute RGB difference
Cell	8 × 8 encoded pixels
Height	Block mean / shared scale
Geometry	White wireframe

$$z = 0.03 + 4 \times MAE / 255$$

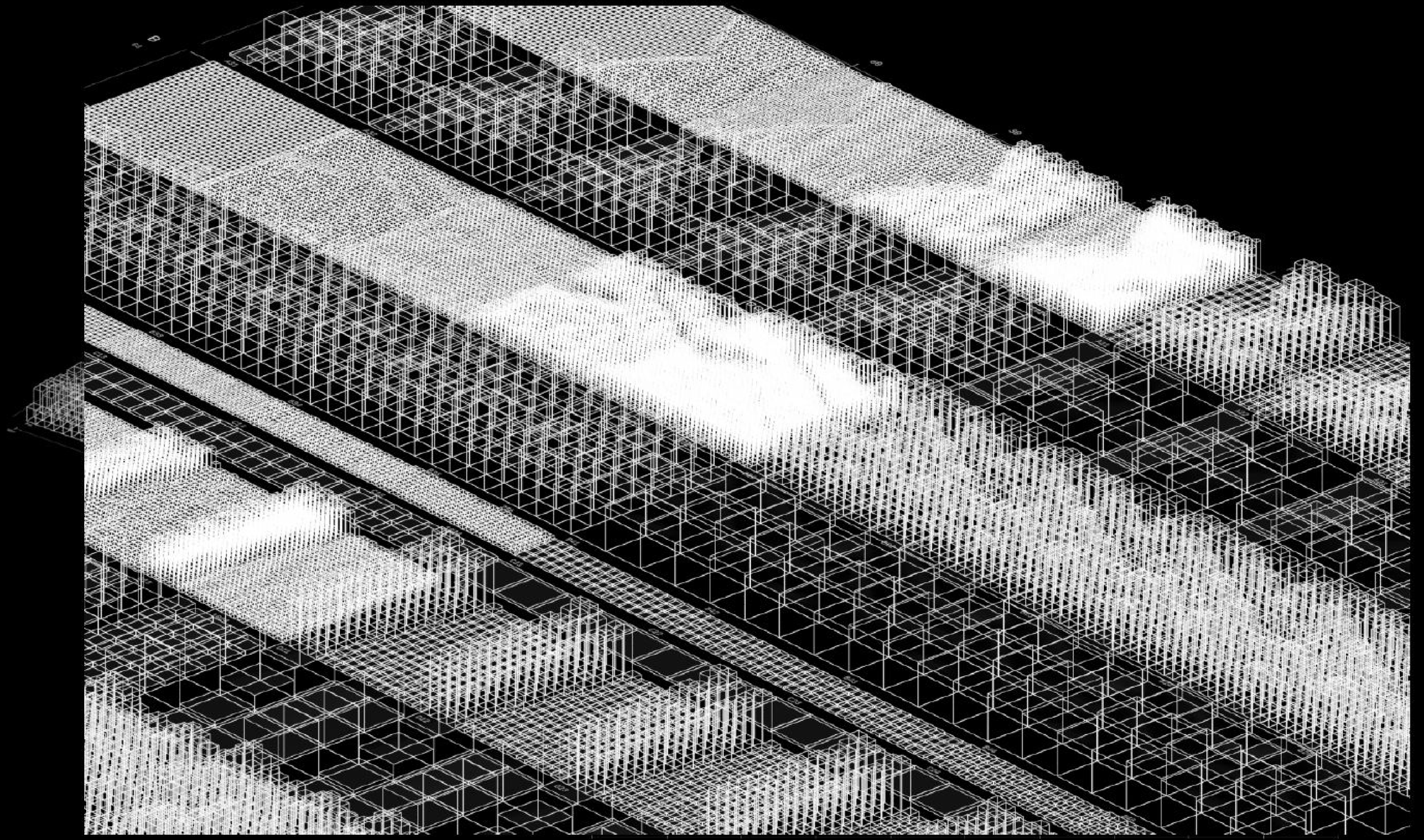
A visual scale, not physical depth

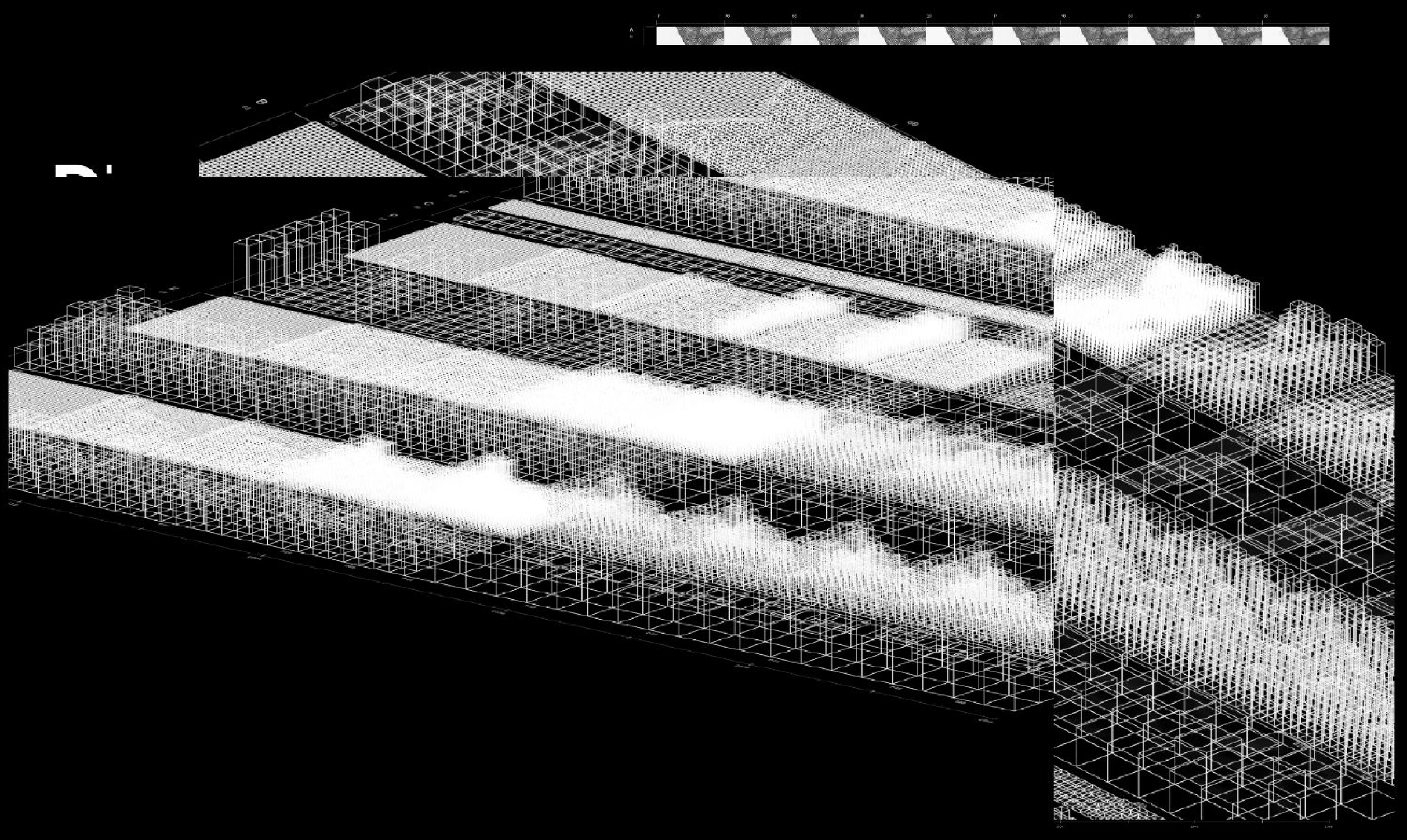


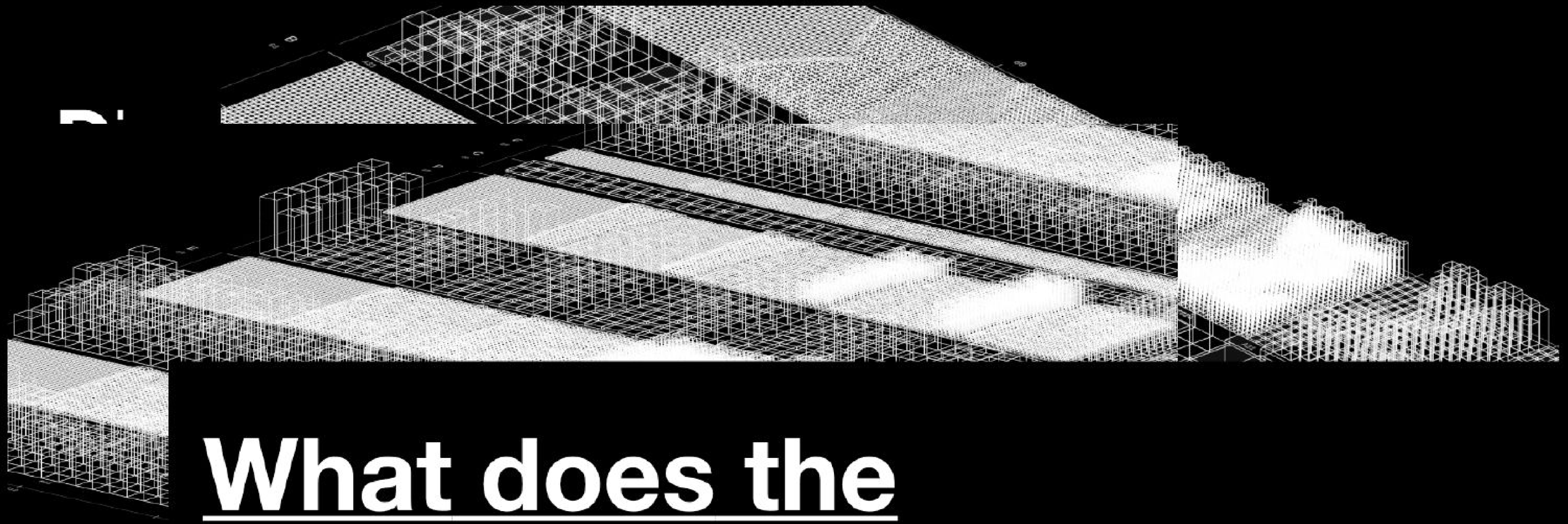
Di



Di







What does the height show?

