

MatSeg Dataset for Zero-Shot Class Agnostic Material Segmentation

Synthetic dataset for zero-shot material state segmentation that contain the images and the annotation masks.

See paper: [“Learning Zero-Shot Material States Segmentation, by Implanting Natural Image Patterns in Synthetic Data”](#) for more details”

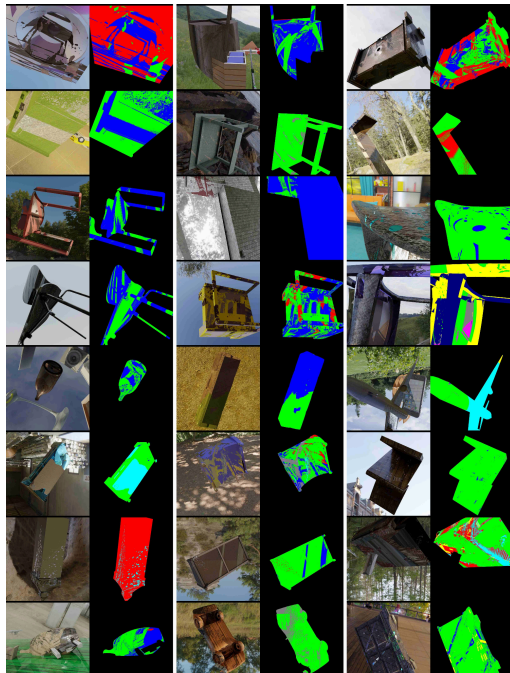
The dataset can be downloaded from :

<https://e.pcloud.link/publink/show?code=kZHCcnZOzqInb3anSI7xzFBoqCDmkr2JKV>,
<https://icedrive.net/s/SBb3g9WzQ5wZuxX9892Z3R4bW8jw>.

Sample of the dataset available at: sample.zip.

Reader for the dataset: ReadAndDisplay.py

Git: <https://github.com/sagieppel/MatSeg-Dataset/>.



Dataset Structure

Each folder contains one image and its segmentation map.

RGB__RGB.jpg: The image rgb

Mask**.png: where ** a number of the mask of a given material, note materials can overlap and values can be between 0-255 (soft).

ObjectMaskOcluded.png: Basically the ROI mask means the region that is annotated, anything not marked in this mask is background and is not annotated.

![Figure 2](/Figure3.jpg)

Additional Data

See the paper: [Learning Zero-Shot Material States Segmentation, by Implanting Natural Image Patterns in Synthetic Data](<https://arxiv.org/ftp/arxiv/papers/2403/2403.03309.pdf>), for more details.

See the dataset generation script used to generate this data available at:
<https://github.com/sagieppel/MatSeg-Synthethic-Dataset-Generation-Script>