XWHEEL v1 ReadMe

The jsonfile - *annotations_fuse.json* - contains the annotations of all 73 images. In the folders train, val and test are the corresponding images.

The original json files - *annotations1.json* and *annotations2.json* – come from the annotation company which annotated the images in 2 priorities.

The fomat is based on COCO Json:

Jsonfile["images"]: assigns the image_name to an id

Jsonfile["categories"]: assigns the class names to the category_ids

Jsonfile["annotations"]: Contains the annotated objects

Relevant subcategories:

Jsonfile["annotations"]["image_id"]: Assigns the annotation to an image - corresponds to Jsonfile["images"]["id"]

Jsonfile["annotations"]["category_id"]: Assigns the annotation to a class – corresponds to Jsonfile["categories"]["id"]

Jsonfile["annotations"]["segmentation"]: The 4 points of the vehicle → first point is driver's side front. → Polygon can be easily converted into an Oriented Bounding Box

Jsonfile["annotations"]["attributes"]: Gives Information about motorization, occlusions, difficulty of the annotation and on how sure the annotator is.

Please cite the ISPRS paper if you use the dataset and publish your work!