Workflow for salami slicing and analysis In-house Python code for inclusions Legend Polish sample Stitched image Experimental (Keyence) Other software Code completed TIF image III In progress To do **Threshold** ImageJ Extract particles (ImageJ) Maybe in the future with Dragonfly csv file csv Data processing workflow Enter metadata python Add to Exclude out-of-range zones ANN workflow database Cartesian or polar coordinates (in development) Training Filter out artifacts **Automatic** Datadaţa HDF₅ Classify features base quickly Basic analysis python Tot. area vs size **Defect density** Size distribution Shape analysis Export data Block maxima workflow Pandas, csv, xlsx python Extrapolate Divide in blocks Fit distribution Gumbel plot fatigue strength POT workflow python Choose Exponential Extrapolate threshold probability plot fatigue strength I Fit distribution Simon L-Riverin Polytechnique Montréal

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