reconstruction.Reconstructor_GPU
BoundStart : float FZEuler : NoneType, list, recarray, tuple FZFile : str FZMat FZMatH NDet : int NFloodFill : int NG NIteration : int NPixelJ : list NPixelK : list NPostProcess : int NPostVoxelVisited : int NRot : int NSelect : int NTotalVoxel2Recon : NoneType NVoxel aDetIdx aJH aKH aOmegaH acExpDataCpuRam accMat additionalFZ : NoneType afDetInfoD afDetInfoH : list afFZMatD afGD aiDetStartIdxH : list, recarray aiRotNH bHitH centerJ : list centerK : list ctx : NoneType detIdx : range, NoneType detPos : list detRot : list detScale : float detectors : list energy : float etalimit euler_zxz_to_mat_gpu expData : recarray, list expDataInitial : str expansionStopHitRatio : float expdataNDigit : int floodFillAccptThreshold : float floodFillNIteration : int floodFillNumberAngle : int floodFillNumberVoxel : int floodFillRandomRange : float floodFillSelectThreshold : float floodFillStartThreshold : float geoSearchHitRatio hitratio_func iExpDetImageSize : int iNPeak : int32 intensity_threshold : int mat_to_euler_ZXZ maxQ : int micData : recarray micSideWidth : float misOrien misoren_gpu oriMatToSim pixelJ : list pixelK : list postConvergeMisOrien : float postMisOrienThreshold : float postNIteration : int postNRandom : int postOriSeedWindow : int postRandomRange : float postWindow : int rand_mat_neighb_from_euler randomGenerator sample : CrystalStr searchBatchSize : int sim_func squareMicData : NpzFile squareMicOutFile : str symMat : int texref tfG voxelAcceptedMat voxelHitRatio voxelIdxStage0 : list, range voxelIdxStage1 : list voxelMask voxelPos4Sim voxelpos : recarray, list voxleMask
append_fz() clean_up() cp_expdata_to_gpu() create_acExpDataCpuRam() create_square_mic() expansion_unit_run() extract_orientations() extract_orientations_backup() fill_neighbour() flood_fill() gen_random_matrix() geo_opt_coordinate_search() geo_opt_coordinate_search_backup() geo_opt_phase_0() geo_opt_phase_1() geo_opt_phase_2() geometry_grid_search() geometry_optimizer() get_misorien_map() get_neighbour_orien() hitratio_cpu() increase_resolution() load_I9mic() load_exp_data() load_exp_data_reverse() load_fz() load_square_mic() load_square_mic_file() misorien() misorien_map() misorien_map_euler() post_process() post_process_test() print_sim_results() profile_recon_layer() recon_boundary() recon_prepare() run_sim() save_mic() save_reconstructor() save_sim_mic_binary() save_square_mic() search_lattice_constant() serial_recon_expansion_mode() serial_recon_layer() serial_recon_multi_stage() serial_recon_multistage_precheck() serial_recon_precheck() set_Q() set_det() set_det_param() set_lattice_constant() set_sample() set_voxel_pos() sim_mic() sim_precheck() single_voxel_recon() test_hitratio_vs_misorien() twiddle_loss() twiddle_refine() twiddle_refine_backup() unit_run_hitratio()

reconstruction.SquareMic
NVoxelX NVoxelY misOrien squareMicData symMat : int
get_misorien_map() save_misOrienMap()