PyFRAP

0

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Contents

Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 2

Class Index

2.1 Class List

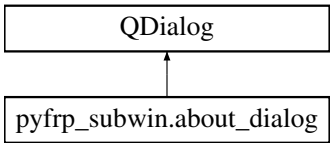
Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 3

Class Documentation

3.1 pyfrp_subwin.about_dialog Class Reference

Inheritance diagram for pyfrp_subwin.about_dialog:



Public Member Functions

- def **__init__**
- def **OpenURL**
- def **cancel**

Public Attributes

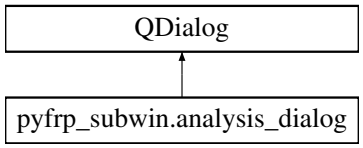
- **lbl_name**
- **lbl_author**
- **lbl_website**
- **btn_cancel**
- **vbox**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.2 pyfrp_subwin.analysis_dialog Class Reference

Inheritance diagram for pyfrp_subwin.analysis_dialog:



Public Member Functions

- def **__init__**
- def **check_norm_by_pre**
- def **check_img_in_domain**
- def **check_add_rim**
- def **check_add_rim_from_radius**
- def **check_conc_rim**
- def **check_debug**
- def **set_conc_rim**
- def **set_rim**
- def **set_preimage**
- def **done_pressed**

Public Attributes

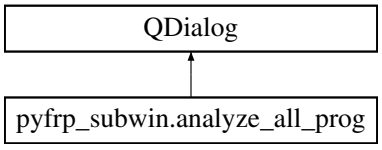
- **embryo**
- **btn_done**
- **btn_preimage**
- **lbl_pre**
- **lbl_rim_handling**
- **lbl_debugging**
- **lbl_rim**
- **lbl_norm_by_pre**
- **lbl_preimage**
- **lbl_img_in_domain**
- **lbl_add_rim_from_radius**
- **lbl_add_rim**
- **lbl_debug**
- **lbl_use_conc_rim**
- **lbl_conc_rim**
- **cb_debug**
- **cb_img_in_domain**
- **cb_add_rim**
- **cb_add_rim_from_radius**
- **cb_conc_rim**
- **cb_norm_by_pre**
- **qle_conc_rim**
- **qle_rim**
- **double_valid**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.3 pyfrp_subwin.analyze_all_prog Class Reference

Inheritance diagram for pyfrp_subwin.analyze_all_prog:



Public Member Functions

- def **__init__**
- def **cancel_analysis**

Public Attributes

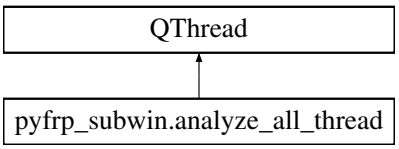
- **molecule**
- **lbl_name**
- **btn_cancel**
- **progressbar**
- **vbox**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.4 pyfrp_subwin.analyze_all_thread Class Reference

Inheritance diagram for pyfrp_subwin.analyze_all_thread:



Public Member Functions

- def **__init__**
- def **__del__**
- def **run**

Public Attributes

- **molecule**

Static Public Attributes

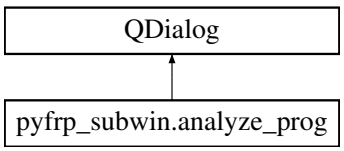
- tuple **taskFinished** = QtCore.pyqtSignal()
- tuple **prog_signal** = QtCore.pyqtSignal(int,int)

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.5 pyfrp_subwin.analyze_prog Class Reference

Inheritance diagram for pyfrp_subwin.analyze_prog:



Public Member Functions

- def **__init__**
- def **cancel_analysis**

Public Attributes

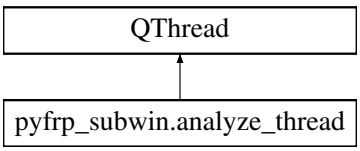
- **lbl_name**
- **btn_cancel**
- **progressbar**
- **vbox**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.6 pyfrp_subwin.analyze_thread Class Reference

Inheritance diagram for pyfrp_subwin.analyze_thread:



Public Member Functions

- def **__init__**
- def **__del__**
- def **run**

Public Attributes

- **embryo**

Static Public Attributes

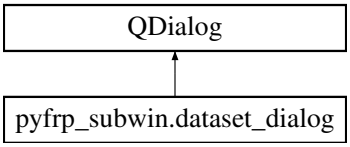
- tuple **taskFinished** = QtCore.pyqtSignal()
- tuple **prog_signal** = QtCore.pyqtSignal(int)

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.7 pyfrp_subwin.dataset_dialog Class Reference

Inheritance diagram for pyfrp_subwin.dataset_dialog:



Public Member Functions

- def **__init__**
- def **create_frame**
- def **sel_datafolder**
- def **sel_ft**
- def **sel_enc**
- def **set_name**
- def **set_framerate**
- def **set_tstart**
- def **set_res**
- def **set_radius**
- def **set_center_x**
- def **set_center_y**
- def **set_sidelength**
- def **set_offset_x**
- def **set_offset_y**
- def **update_tvec**
- def **update_qles**
- def **create_canvas**
- def **draw_patches**
- def **show_img**
- def **get_mouse_embr_radius**
- def **clear_patch_canvas**
- def **clear_patch_canvas_squ**
- def **done_pressed**

Public Attributes

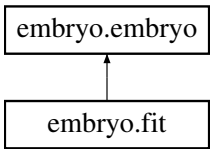
- **embryo**
- **dpi**
- **xcoords2**
- **ycoords2**
- **xcoords**
- **ycoords**
- **pts_in_ax**
- **pts_in_ax2**
- **btn_done**
- **btn_set_datafolder**
- **lbl_name**
- **lbl_name_datafolder**
- **lbl_name_ft**
- **lbl_name_enc**
- **lbl_name_res**
- **lbl_name_radius**
- **lbl_name_center**
- **lbl_name_offset**
- **lbl_name_sidelength**
- **lbl_name_framerate**
- **lbl_name_nframes**
- **lbl_name_tstart**
- **lbl_name_tend**
- **lbl_datafolder**
- **lbl_tend**
- **lbl_nframes**
- **combo_ft**
- **combo_enc**
- **qle_name**
- **qle_framerate**
- **qle_tstart**
- **qle_res**
- **qle_radius**
- **qle_center_x**
- **qle_center_y**
- **qle_offset_x**
- **qle_offset_y**
- **qle_sidelength**
- **double_valid**
- **plot_frame**
- **vbox**
- **hbox**
- **file_list**
- **embr_circ_in_ax**
- **bleached_squ_in_ax**
- **fig**
- **canvas**
- **ax**
- **curr_img_ind**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.8 embryo.embryo Class Reference

Inheritance diagram for embryo.embryo:



Public Member Functions

- def **__init__**
- def **add_fit**
- def **delete_fit**
- def **save_embryo**
- def **load_embryo**
- def **copy_embryo**
- def **plot_sim_data**
- def **plot_sim**
- def **plot_data**
- def **plot_pinned**
- def **print_embryo**
- def **plot_IC_img**

Public Attributes

- **name**
- **mode**
- **dataset**
- **emb**
- **fn_datafolder**
- **fn_preimage**
- **fn_resultfolder**
- **data_enc**
- **data_ft**
- **data_res_px**
- **conv_fact**
- **framerate**
- **nframes**
- **tstart**
- **tend**
- **tvec_data**
- **steps_data**
- **dt_data**
- **side_length_bleached_mu**
- **fish_outradius_mu**
- **slice_depth_mu**
- **radius_embr_mu**
- **slice_width_mu**
- **cylinder_radius_mu**
- **cylinder_height_mu**
- **frog_radius_mu**

- slice_width_px
- slice_depth_px
- slice_height_px
- slice_bottom
- center_embr_px
- side_length_bleached_px
- offset_bleached_px
- radius_embr_px
- man_det
- auto_det
- parms_det
- gauss_opt
- surf_opt
- add_rim_img
- squ_av_data_d
- out_av_data_d
- slice_av_data_d
- im_reg_ICs
- rim
- debug_analysis
- add_rim_from_radius
- conc_rim
- img_in_domain
- norm_by_pre
- phi_IC_rad
- phi_IC_rad_mesh
- rad_steps
- phi_IC_bleached
- debug_preproc
- rad_step_px
- geometry
- fish_outradius_px
- fish_inradius_px
- fish_dist_px
- frog_radius_px
- cylinder_radius_px
- cylinder_height_px
- apply_data
- D
- prod
- degr
- steps_sim
- tvec_sim
- avg_mode
- add_rim_sim
- avg_outer
- avg_inner
- avg_all
- avg_pocket
- avg_small
- squ_av_d
- out_av_d
- slice_av_d
- inner_av_d
- outer_av_d

- squ_pocket_av_d
- out_pocket_av_d
- squ_small_av_d
- out_small_av_d
- all_av_d
- volSize_px
- fn_mesh
- debug_simulation
- mesh
- usemesh
- usemap
- mesh_maps
- optim
- int_steps
- integration_method
- reg_mesh_opt
- res_reg
- res_wire
- debug_reg
- mask_squ
- mask_out
- mask_slice
- plot_wire
- plot_cont
- plot_conc
- plot_surf
- plot_all
- out_wire
- out_cont
- out_conc
- out_surf
- out_all
- squ_av_pm_d
- out_av_pm_d
- slice_av_pm_d
- inner_av_pm_d
- outer_av_pm_d
- all_av_pm_d
- squ_pocket_av_pm_d
- out_pocket_av_pm_d
- squ_small_av_pm_d
- out_small_av_pm_d
- debug_pinning
- squ_av_pinned_d
- out_av_pinned_d
- slice_av_pinned_d
- inner_av_pinned_d
- outer_av_pinned_d
- squ_pocket_av_pinned_d
- out_pocket_av_pinned_d
- squ_small_av_pinned_d
- out_small_av_pinned_d
- all_av_pinned_d
- squ_av_data_pinned_d
- out_av_data_pinned_d

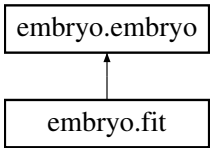
- **slice_av_data_pinned_d**
- **fit_number**
- **fits**
- **debug_fit**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/embryo.py

3.9 embryo.fit Class Reference

Inheritance diagram for embryo.fit:



Public Member Functions

- def **__init__**
- def **print_fit**
- def **print_results**
- def **plot_fit_pinned**
- def **plot_fit_unpinned**
- def save_plot_fit_pinned

  saves plot with simulation and data timeseries
- def **save_plot_fit_unpinned**

Public Attributes

- **fit_number**
- **name**
- **embryo**
- **opt_meth**
- **fit_squ**
- **fit_slice**
- **fit_out**
- **fit_prod**
- **fit_degr**
- **equ_on**
- **x0**
- **LB_prod**
- **UB_prod**
- **LB_degr**
- **UB_degr**
- **LB_D**
- **UB_D**
- **rate_scale**
- **brute_init**
- **debug_fit**

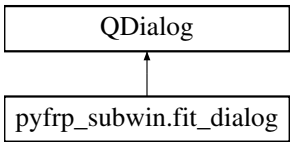
- **maxfun**
- **opt_tol**
- **fit_pinned**
- **fit_cut_off_t**
- **cut_off_t**
- **cut_off_step_sim**
- **cut_off_step_data**
- **save_track**
- **track_parms**
- **track_squ_fit**
- **track_out_fit**
- **track_slice_fit**
- **Rsq**
- **ssd**
- **D_opt_mu**
- **D_opt_px**
- **prod_opt_scaled**
- **degr_opt_scaled**
- **prod_opt**
- **degr_opt**
- **success**
- **squ_equ_fact**
- **out_equ_fact**
- **slice_equ_fact**
- **squ_av_scal_d**
- **out_av_scal_d**
- **slice_av_scal_d**
- **squ_av_fitted_d**
- **out_av_fitted_d**
- **slice_av_fitted_d**
- **tvec_fit**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/embryo.py

3.10 pyfrp_subwin.fit_dialog Class Reference

Inheritance diagram for pyfrp_subwin.fit_dialog:



Public Member Functions

- def **__init__**
- def **set_name**
- def **set_opt_tol**
- def **set_maxfun**

- def **set_x0_D**
- def **set_x0_degr**
- def **set_x0_prod**
- def **set_UB_D**
- def **set_UB_degr**
- def **set_UB_prod**
- def **set_LB_D**
- def **set_LB_degr**
- def **set_LB_prod**
- def **set_cut_off_t**
- def **sel_meth**
- def **update_bounds_after_meth**
- def **bounds_for_brute**
- def **check_equ**
- def **check_pin**
- def **check_cut**
- def **check_fit_out**
- def **check_fit_slice**
- def **check_fit_squ**
- def **check_fit_degr**
- def **check_fit_prod**
- def **check_debug_fit**
- def **check_save_track**
- def **check_bound_LB_D**
- def **check_bound_UB_D**
- def **check_bound_LB_degr**
- def **check_bound_UB_degr**
- def **check_bound_LB_prod**
- def **check_bound_UB_prod**
- def **done_pressed**

Public Attributes

- **fit**
- **molecule**
- **embryo**
- **temp_LB_D**
- **temp_UB_D**
- **temp_LB_degr**
- **temp_UB_degr**
- **temp_LB_prod**
- **temp_UB_prod**
- **btn_done**
- **lbl_opt_parms**
- **lbl_guess**
- **lbl_bounds**
- **lbl_bounded**
- **lbl_fitting**
- **lbl_name**
- **lbl_opt_meth**
- **lbl_opt_tol**
- **lbl_maxfun**
- **lbl_save_track**
- **lbl_debug_fit**

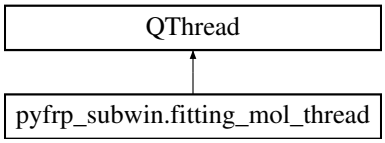
- **lbl_x0_D**
- **lbl_x0_degr**
- **lbl_x0_prod**
- **lbl_LB_D**
- **lbl_UB_D**
- **lbl_LB_prod**
- **lbl_UB_prod**
- **lbl_LB_degr**
- **lbl_UB_degr**
- **lbl_fit_out**
- **lbl_fit_squ**
- **lbl_fit_slice**
- **lbl_fit_prod**
- **lbl_fit_degr**
- **lbl_eq**
- **lbl_pin**
- **lbl_cut_off**
- **lbl_cut_off_t**
- **combo_meth**
- **qle_name**
- **qle_opt_tol**
- **qle_maxfun**
- **qle_x0_D**
- **qle_x0_degr**
- **qle_x0_prod**
- **qle_cut_off_t**
- **qle_LB_D**
- **qle_UB_D**
- **qle_LB_degr**
- **qle_UB_degr**
- **qle_LB_prod**
- **qle_UB_prod**
- **double_valid**
- **cb_debug_fit**
- **cb_save_track**
- **cb_bound_LB_D**
- **cb_bound_LB_degr**
- **cb_bound_LB_prod**
- **cb_bound_UB_D**
- **cb_bound_UB_degr**
- **cb_bound_UB_prod**
- **cb_fit_out**
- **cb_fit_squ**
- **cb_fit_slice**
- **cb_fit_degr**
- **cb_fit_prod**
- **cb_eq**
- **cb_pin**
- **cb_cut**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.11 pyfrp_subwin.fitting_mol_thread Class Reference

Inheritance diagram for pyfrp_subwin.fitting_mol_thread:



Public Member Functions

- def **__init__**
- def **__del__**
- def **run**

Public Attributes

- **molecule**
- **gui**

Static Public Attributes

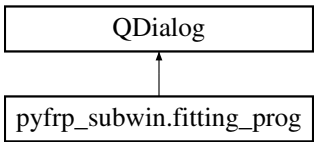
- tuple **taskFinished** = QtCore.pyqtSignal()

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.12 pyfrp_subwin.fitting_prog Class Reference

Inheritance diagram for pyfrp_subwin.fitting_prog:



Public Member Functions

- def **__init__**
- def **cancel_fitting**

Public Attributes

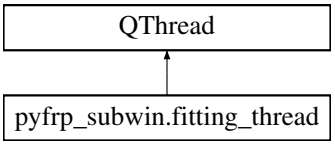
- **lbl_name**
- **btn_cancel**
- **vbox**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.13 pyfrp_subwin.fitting_thread Class Reference

Inheritance diagram for pyfrp_subwin.fitting_thread:



Public Member Functions

- def **__init__**
- def **__del__**
- def **run**

Public Attributes

- **embryo**
- **fit**
- **gui**

Static Public Attributes

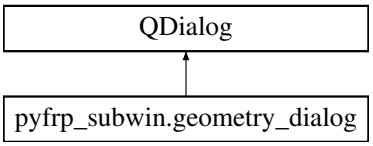
- tuple **taskFinished** = QtCore.pyqtSignal()

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.14 pyfrp_subwin.geometry_dialog Class Reference

Inheritance diagram for pyfrp_subwin.geometry_dialog:



Public Member Functions

- def **__init__**
- def **create_frame**
- def **create_canvas**

- def **sel_geom**
- def **check_img_in_domain**
- def **set_sliceheight**
- def **set_fish_outer_radius**
- def **set_frog_radius**
- def **set_cyl_radius**
- def **set_cyl_height**
- def **build_fish**
- def **build_frog**
- def **build_cylinder**
- def **plot_fish**
- def **plot_frog**
- def **plot_cylinder**
- def **adjust_zaxis**
- def **show_img**
- def **done_pressed**

Public Attributes

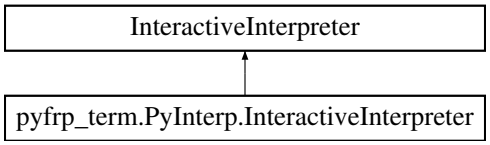
- **embryo**
- **dpi**
- **btn_done**
- **lbl_geometry**
- **lbl_img_in_domain**
- **lbl_fish_inner_radius**
- **lbl_fish_outer_radius**
- **lbl_fish_dist**
- **lbl_cyl_radius**
- **lbl_cyl_height**
- **lbl_frog_radius**
- **lbl_slice_height**
- **combo_geom**
- **qle_slice_height**
- **qle_fish_inner_radius**
- **qle_fish_outer_radius**
- **qle_fish_dist**
- **qle_frog_radius**
- **qle_cyl_radius**
- **qle_cyl_height**
- **double_valid**
- **cb_img_in_domain**
- **plot_frame**
- **vbox**
- **hbox**
- **fig**
- **canvas**
- **ax**
- **file_list**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.15 pyfrp_term.PyInterp.InteractiveInterpreter Class Reference

Inheritance diagram for pyfrp_term.PyInterp.InteractiveInterpreter:



Public Member Functions

- def **__init__**
- def **runIt**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_term.py

3.16 molecule.molecule Class Reference

Public Member Functions

- def **__init__**
- def **add_embryo**
- def **remove_embryo**
- def **save_molecule**
- def **load_molecule**
- def **sumup_results**

Public Attributes

- **name**
- **embryos**
- **sel_fits**
- **D_mu_av**
- **prod_av**
- **degr_av**
- **Rsq_av**
- **ssd_av**
- **D_mu_std**
- **prod_std**
- **degr_std**
- **D_mu_sterr**
- **prod_sterr**
- **degr_sterr**
- **fitting_parms**
- **tvec_avg**
- **tvec_errors**
- **squ_fitted_av**
- **out_fitted_av**
- **slice_fitted_av**

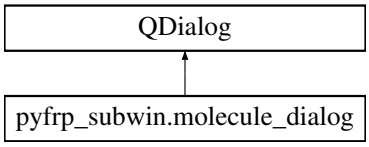
- **squ_data_av**
- **out_data_av**
- **slice_data_av**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/molecule.py

3.17 pyfrp_subwin.molecule_dialog Class Reference

Inheritance diagram for pyfrp_subwin.molecule_dialog:



Public Member Functions

- def **__init__**
- def **set_name**
- def **done_pressed**

Public Attributes

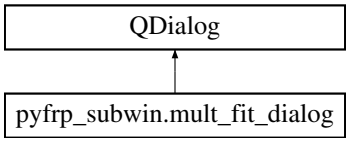
- **molecule**
- **btn_done**
- **lbl_name**
- **qle_name**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.18 pyfrp_subwin.mult_fit_dialog Class Reference

Inheritance diagram for pyfrp_subwin.mult_fit_dialog:



Public Member Functions

- def **__init__**
- def **set_opt_tol**
- def **set_maxfun**

- def **set_x0_D**
- def **set_x0_degr**
- def **set_x0_prod**
- def **set_UB_D**
- def **set_UB_degr**
- def **set_UB_prod**
- def **set_LB_D**
- def **set_LB_degr**
- def **set_LB_prod**
- def **set_cut_off_t**
- def **sel_meth**
- def **update_bounds_after_meth**
- def **bounds_for_brute**
- def **check_equ**
- def **check_pin**
- def **check_cut**
- def **check_fit_out**
- def **check_fit_slice**
- def **check_fit_squ**
- def **check_fit_degr**
- def **check_fit_prod**
- def **check_debug_fit**
- def **check_save_track**
- def **check_bound_LB_D**
- def **check_bound_UB_D**
- def **check_bound_LB_degr**
- def **check_bound_UB_degr**
- def **check_bound_LB_prod**
- def **check_bound_UB_prod**
- def **done_pressed**

Public Attributes

- **molecule**
- **temp_LB_D**
- **temp_UB_D**
- **temp_LB_degr**
- **temp_UB_degr**
- **temp_LB_prod**
- **temp_UB_prod**
- **btn_done**
- **lbl_opt_parms**
- **lbl_guess**
- **lbl_bounds**
- **lbl_bounded**
- **lbl_fitting**
- **lbl_opt_meth**
- **lbl_opt_tol**
- **lbl_maxfun**
- **lbl_save_track**
- **lbl_debug_fit**
- **lbl_x0_D**
- **lbl_x0_degr**
- **lbl_x0_prod**

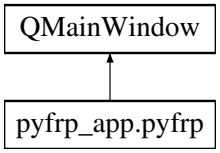
- **lbl_LB_D**
- **lbl_UB_D**
- **lbl_LB_prod**
- **lbl_UB_prod**
- **lbl_LB_degr**
- **lbl_UB_degr**
- **lbl_fit_out**
- **lbl_fit_squ**
- **lbl_fit_slice**
- **lbl_fit_prod**
- **lbl_fit_degr**
- **lbl_eq**
- **lbl_pin**
- **lbl_cut_off**
- **lbl_cut_off_t**
- **combo_meth**
- **qle_opt_tol**
- **qle_maxfun**
- **qle_x0_D**
- **qle_x0_degr**
- **qle_x0_prod**
- **qle_cut_off_t**
- **qle_LB_D**
- **qle_UB_D**
- **qle_LB_degr**
- **qle_UB_degr**
- **qle_LB_prod**
- **qle_UB_prod**
- **double_valid**
- **cb_debug_fit**
- **cb_save_track**
- **cb_bound_LB_D**
- **cb_bound_LB_degr**
- **cb_bound_LB_prod**
- **cb_bound_UB_D**
- **cb_bound_UB_degr**
- **cb_bound_UB_prod**
- **cb_fit_out**
- **cb_fit_squ**
- **cb_fit_slice**
- **cb_fit_degr**
- **cb_fit_prod**
- **cb_eq**
- **cb_pin**
- **cb_cut**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.19 pyfrp_app.pyfrp Class Reference

Inheritance diagram for pyfrp_app.pyfrp:



Public Member Functions

- def **__init__**
- def **closeEvent**
- def **show_about**
- def **create_frame**
- def **init_conf**
- def **append_recent**
- def **add_recent_mbs**
- def **add_molecule**
- def **add_embryo**
- def **delete_molecule**
- def **delete_embryo**
- def **delete_specific_molecule**
- def **delete_specific_embryo**
- def **save_molecule**
- def **save_embryo**
- def **load_molecule**
- def **open_molecule**
- def **load_embryo**
- def **show_embryo_props**
- def **add_fit**
- def **copy_fit**
- def **copy_fit_for_other_embryo**
- def **copy_fit_to_all**
- def **delete_fit**
- def **edit_fit**
- def **edit_mult_fit**
- def **edit_dataset**
- def **edit_molecule**
- def **copy_embryo**
- def **copy_molecule**
- def **edit_prop**
- def **analyze_all**
- def **analyze_all_print_prog**
- def **analyze_all_finished**
- def **analyze_all_canceled**
- def **analyze_dataset**
- def **analyze_print_prog**
- def **analyze_finished**
- def **analyze_canceled**
- def **edit_geometry**
- def **edit_pde_parms**

- def **simulate_embryo**
- def **simulation_print_prog**
- def **simulation_finished**
- def **simulation_canceled**
- def **plot_data_timeseries**
- def **plot_sim_timeseries**
- def **plot_sim_data_timeseries**
- def **plot_embryo_slice_imgs**
- def **plot_embryo_ext_imgs**
- def **plot_embryo_int_imgs**
- def **plot_embryo_masks_embryo**
- def **plot_embryo_masks_ext**
- def **plot_embryo_masks_int**
- def **plot_embryo_img_series**
- def **plot_fit**
- def **plot_track_fit**
- def **create_plot_tab**
- def **curr_tab_changed**
- def **curr_tab_closed**
- def **adjust_canvas**
- def **create_slider_plot_tab**
- def **update_slider_bkgd**
- def **update_slider_track**
- def **perform_fit**
- def **fitting_finished**
- def **fitting_canceled**
- def **perform_fits_molecule**
- def **fitting_all_finished**
- def **show_console**
- def **hide_console**
- def **show_proplist**
- def **hide_proplist**
- def **show_plottab**
- def **hide_plottab**
- def **print_mem_usage**
- def **export_plot**
- def **export_plot_series**
- def **export_movie**
- def **export_embryo_csv**
- def **export_molecule_csv**
- def **export_fit_to_csv**
- def **export_errorbar_to_csv**
- def **sumup_molecule**
- def **plot_Ds_by_fit**
- def **plot_degrs_by_fit**
- def **plot_prods_by_fit**
- def **plot_all_by_fit**
- def **err_data_fit_plot**

Public Attributes

- dpi
- version
- website
- pyfrp_dir
- molecules
- tab_axes
- tab_figs
- curr_embr
- curr_fit
- curr_embr_node
- curr_mol_node
- curr_fit_node
- lastopen
- menubar
- file_mb
- file_recent_mb
- edit_mb
- edit_export_mb
- view_mb
- view_console_mb
- view_proplist_mb
- view_plottab_mb
- data_mb
- data_data_mb
- data_analysis_mb
- data_plotting_mb
- sim_mb
- sim_plot_mb
- fit_mb
- fit_fits_mb
- fit_fitting_mb
- fit_plot_mb
- stats_mb
- stats_plot_mb
- help_mb
- embryos_list
- prop_list
- console
- splitter_hor
- splitter_ver
- embryos_frame
- prop_frame
- term_frame
- plot_tabs
- curr_tab
- first_tab
- curr_conf
- recent_actions
- curr_node
- curr_embryos
- parent_node
- curr_mol
- curr_fits

- **fn_backup**
- **selected_index**
- **curr_prop**
- **temp_mol**
- **wait_popup**
- **analyze_all_task**
- **backup_emb**
- **analyze_task**
- **simulation_task**
- **img_axes**
- **fig**
- **canvas**
- **ax**
- **vbox_slider**
- **fitting_task**
- **curr_noise_node**
- **curr_pre_node**
- **curr_bkgd_pre_node**
- **ax2**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_app.py

3.20 pyfrp_conf.pyfrp_conf Class Reference

Public Member Functions

- def **__init__**
- def **save_conf**
- def **load_conf**

Public Attributes

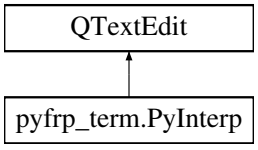
- **recent**
- **plot_hidden**
- **term_hidden**
- **prop_hidden**
- **backup_to_file**
- **backup_to_mem**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_conf.py

3.21 pyfrp_term.PyInterp Class Reference

Inheritance diagram for pyfrp_term.PyInterp:



Classes

- class InteractiveInterpreter

Public Member Functions

- def **__init__**
- def **printBanner**
- def **marker**
- def **initInterpreter**
- def **updateInterpreterLocals**
- def **write**
- def **clearCurrentBlock**
- def **recallHistory**
- def **customCommands**
- def **keyPressEvent**

Public Attributes

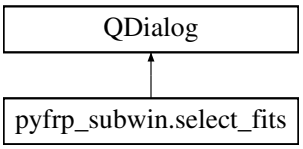
- **refreshMarker**
- **multiLine**
- **command**
- **history**
- **historyIndex**
- **interpreterLocals**
- **interpreter**
- **haveLine**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_term.py

3.22 pyfrp_subwin.select_fits Class Reference

Inheritance diagram for pyfrp_subwin.select_fits:



Public Member Functions

- def **__init__**
- def **init_left_list**
- def **add_fit**
- def **remove_fit**
- def **get_left_selections**
- def **get_right_selections**
- def **get_left_ind**
- def **get_right_ind**
- def **done_pressed**

Public Attributes

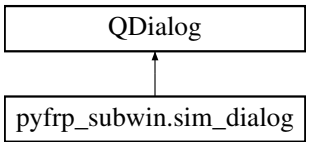
- **molecule**
- **embr_in_right_list**
- **fit_in_right_list**
- **single_fit**
- **btn_add**
- **btn_remove**
- **btn_done**
- **left_list**
- **right_list**
- **vbox**
- **hbox**
- **vbox2**
- **curr_embr_node**
- **curr_embr**
- **curr_fit**
- **curr_fit_node**
- **curr_target_embr_node**
- **curr_target_fit_node**
- **curr_target_fit**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.23 pyfrp_subwin.sim_dialog Class Reference

Inheritance diagram for pyfrp_subwin.sim_dialog:



Public Member Functions

- def **__init__**
- def **sel_avg**
- def **sel_int**
- def **sel_ic**
- def **set_rad_steps**
- def **set_int_steps**
- def **set_volsize**
- def **set_diff**
- def **set_prod**
- def **set_degr**
- def **set_steps**
- def **check_usemesh**
- def **check_add_rim_sim**
- def **check_small**
- def **check_debug_all**
- def **sel_fn_mesh**
- def **done_pressed**

Public Attributes

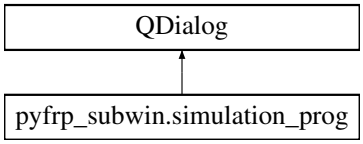
- **embryo**
- **btn_done**
- **btn_fn_mesh**
- **lbl_parms**
- **lbl_ics**
- **lbl_avging**
- **lbl_mesh**
- **lbl_debugging**
- **lbl_diff**
- **lbl_prod**
- **lbl_degr**
- **lbl_steps**
- **lbl_tstart**
- **lbl_tend**
- **lbl_IC_mode**
- **lbl_rad_steps**
- **lbl_avg_meth**
- **lbl_small**
- **lbl_int_meth**
- **lbl_add_rim_sim**
- **lbl_int_steps**
- **lbl_volsize**
- **lbl_usemesh**
- **lbl_name_fn_mesh**
- **lbl_fn_mesh**
- **lbl_debug_all**
- **lbl_debug_interp**
- **lbl_debug_integr**
- **lbl_debug_out**
- **cb_small**
- **cb_add_rim_sim**
- **cb_usemesh**
- **cb_debug_all**
- **cb_debug_interp**
- **cb_debug_integr**
- **cb_debug_out**
- **qle_diff**
- **qle_prod**
- **qle_degr**
- **qle_steps**
- **qle_tstart**
- **qle_tend**
- **qle_int_steps**
- **qle_rad_steps**
- **qle_volsize**
- **double_valid**
- **combo_ic**
- **combo_avg**
- **combo_int**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.24 pyfrp_subwin.simulation_prog Class Reference

Inheritance diagram for pyfrp_subwin.simulation_prog:



Public Member Functions

- def **__init__**
- def **cancel_simulation**

Public Attributes

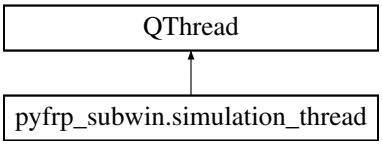
- **lbl_name**
- **btn_cancel**
- **progressbar**
- **vbox**

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py

3.25 pyfrp_subwin.simulation_thread Class Reference

Inheritance diagram for pyfrp_subwin.simulation_thread:



Public Member Functions

- def **__init__**
- def **__del__**
- def **run**

Public Attributes

- **embryo**

Static Public Attributes

- tuple **taskFinished** = QtCore.pyqtSignal()
- tuple **prog_signal** = QtCore.pyqtSignal(int)

The documentation for this class was generated from the following file:

- /home/alex_loc/Documents/Research/PyFRAP/Code/pyfrp_subwin.py