

PYWOPWOP Class Diagram

Red: functionality not implemented

References on UML / Class Diagrams:

<https://www.visual-paradigm.com/guide/uml-unified-modeling-language/uml-class-diagram-tutorial/>

https://www.tutorialspoint.com/uml/uml_class_diagram.htm

PWWPatch

version_number_major : 1
version_number_minor : 0

is_structured : *boolean*
has_iblank : *boolean*
float_type : *'single'*
centered_type : { *'node'*,
 'face' }

units_string : *str*
geometry_type : { *'geometry'*,
 'node_subset' }

geometry_time_type : { *'constant'*,
 'periodic',
 'aperiodic' }

loading_time_type : { *'constant'*,
 'periodic',
 'aperiodic' }

loading_data_type : { *'surf_pressure'*,
 'surf_loading_vector',
 'flow_params' }

loading_ref_frame : { *'ground_fixed'*,
 'mixed_frame',
 'blade_fixed' }

geometry_comment : *str*
loading_comment : *str*

geometry_format_string : []
loading_format_string : []

zones : []
zones_with_loading_data : []

n_zones : *int*
n_zones_with_loading_data : *int*

print_info()

write_geometry_file()
write_loading_file()
read_geometry_file()
read_loading_file()

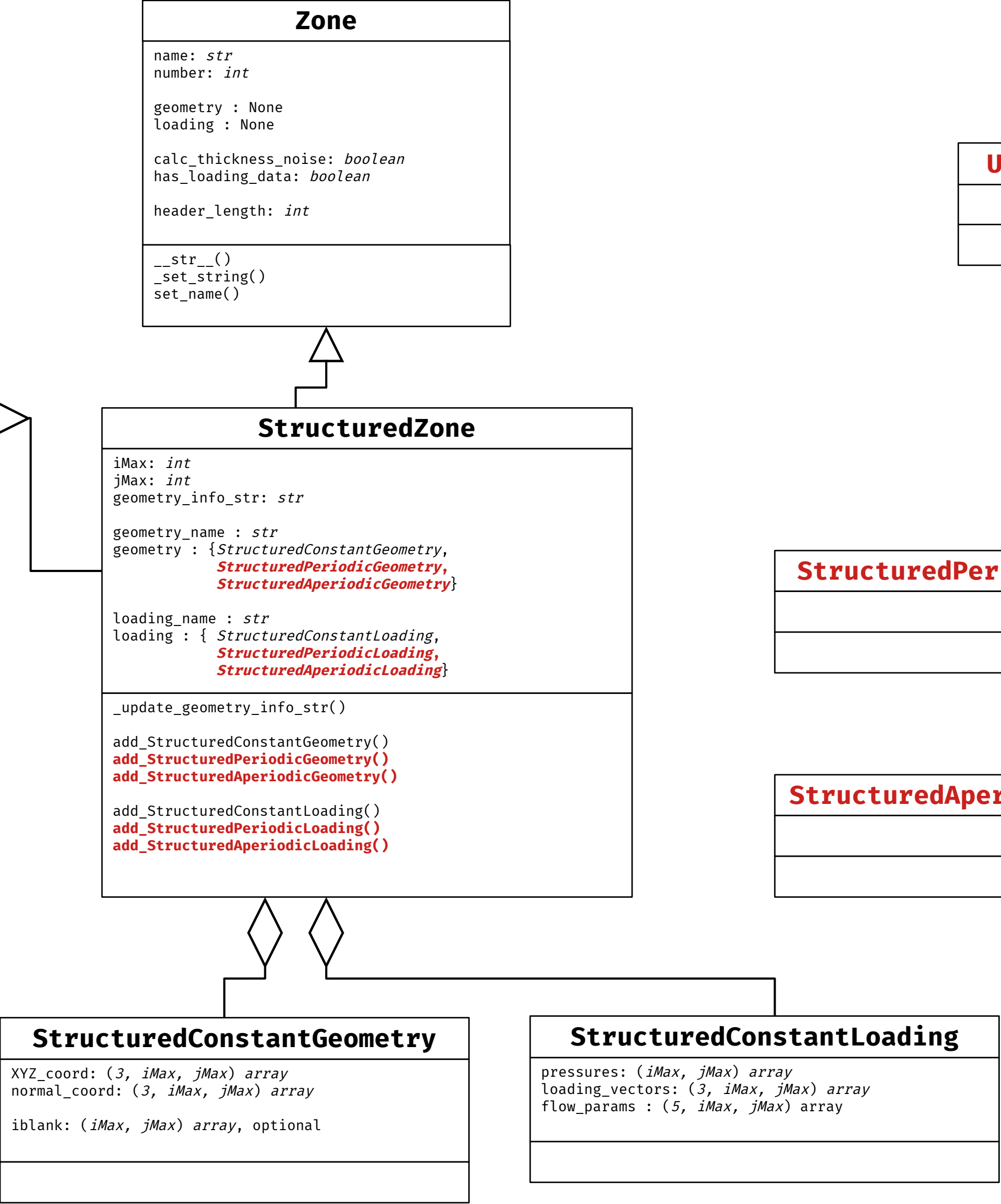
add_StructuredZone()

_read_XYZblock()
_read_IBLANKblock()

_read_geometry_header()
_write_geometry_header()
_read_geometry_data()
_write_geometry_data()
_build_geometry_format_string()

_read_loading_header()
_write_loading_header()
_read_loading_data()
_write_loading_data()
_build_loading_format_string()

_update_n_zones()



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