PYWOPWOP Class Diagram

Red: functionality not implemented

```
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_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()
```

Zone name: str number: *int* geometry : None loading : None calc_thickness_noise: boolean UnstructuredZone has_loading_data: boolean header_length: int _update_geometry_info [TODO] __str__() _set_string() **StructuredZone** iMax: *int* jMax: *int* geometry_info_str: str geometry_name : str geometry : {StructuredConstantGeometry, **StructuredPeriodicGeometry** StructuredPeriodicGeometry, StructuredAperiodicGeometry} loading_name : str loading : { StructuredConstantLoading, StructuredPeriodicLoading, StructuredAperiodicLoading} _update_geometry_info_str() add_StructuredConstantGeometry() add_StructuredPeriodicGeometry() add_StructuredAperiodicGeometry() **StructuredAperiodicGeometry** add_StructuredConstantLoading() add_StructuredPeriodicLoading() add_StructuredAperiodicLoading() **StructuredConstantLoading StructuredConstantGeometry** XYZ_coord: (3, iMax, jMax) array pressures: (iMax, jMax) array loading_vectors: (3, iMax, jMax) array normal_coord: (3, iMax, jMax) array flow_params : (5, iMax, jMax) array iblank: (iMax, jMax) array, optional

	DVMODMOD Class Diagram
	PYWOPWOP Class Diagram
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StructuredPeriodicLoading

StructuredAperiodicLoading

References on UML / Class

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Diagrams: