World_Trace

+trace: dict of World_State objects
+description: str

+__init__(description:str="",trace:dict=None)
+get_sorted_timestamps(): list of floats
+add_object_track_from_list(track:list,obj_name:str,
                t0:int=0,**kwargs)
+add_object_state(object_state:Object_State,
            timestamp:float=None)
+add_object_state_series(object_states:list of Object_State objects)
+get_last_state(copy_by_reference:bool=False): World_State
+get_at_timestamp_range(start:float=None,
            stop:float=None,istep:int=1,
            copy_by_reference:bool=False,
            include_finish:bool=True): World_Trace
+get_for_objects(objects_names:list of str,
            copy_by_reference:bool=False): World_Trace

has 1..n

World_State

+objects: dict of Object_State objects
+timestamp: float

+__init__(timestamp:float,objects:dict of Object_State objects=None)
+add_object_state(object_state:Object_State)

has 1..n

Object_State

+name: str
+x: float
+y: float
+z: float
+xsize: float
+ysize: float
+zsize: float
+rotation: tuple
+kwargs: dict

+__init__(name:str,timestamp:float,x:float=nan,
        y:float=nan,z:float=nan,xsize:float=nan,
        ysize:float=nan,zsize:float=nan,
        rotation:tuple=(),*args,**kwargs)