Class to describe/define dimensions of sets. Dimension C_BASE_SET_R C_BASE_SET_N C_BASE_SET_Z C_BASE_SET_DO _id _name_short _base_set _name_long _name_latex _unit _unit_latex _boundaries _description __init__(p_id, p_name_short, p_base_set=C_BASE_SET_R, p_name_long=", p_name_latex=", p_unit=", p_unit_latex=", p_boundaries=[], p_description=") get_id() get_name_short() get_base_set() get_name_long() get_name_latex() get_unit() get_unit_latex() get_boundaries() get_description() Objects of this type can be stored as components of an element. Correlates to Dimension base set Multivariate Set type C_BASE_SET_DO Set DataObject _dim_list _data _dim_ids _meta_data __init__() __init__(p_data, *p_meta_data) add_dim(p_dim:Dimension) get_data() get_meta_data() get_dim(p_id) get_num_dim() get_dim_ids() spawn() Template for a multivariate metric MSpace(Set) Element _set distance(p_e1, p_e2) _values:numpy.array __init__(p_set) get_related_set() Multivariate get_dim_ids() Euclidian space get_values() set_values() ESpace(MSpace) get_value(p_dim_id) $distance(p_p1,\,p_p2)$ set_value(p_dim_id, p_value) Template for Bi-Multivariate mathematical functions ElementList **Function** _input_space:MSpace _elem_list _output_space:MSpace _elem_ids _init__(p_input_space:MSpace, p_output_space:MSpace, __init__() add_elem(p_id, p_elem:Element) p_output_elem_cls=Element) get_elem_ids() map(p_input:Element): Element get_elem(p_id) _map(p_input:Element, p_output:Element)

