pyMEDio Documentation

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Basile Marchand

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PYMEDIO INTRODUCTION

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PYMEDIO'S MODULE DOCUMENTATION

class pyMEDio.**MEDReader**(*med_file*, *output_format='MED'*)

MEDReader class

Class to open and extract object from a MED file.

Possibilities are the following -> Read meshes in the MED file -> Read fields in the MED file :

-> Fields defined at the nodes level -> Fields defined at the elements level

Methods

_read_elem_data(*msh_name*)

Method which reads elements informations about mesh, i.e. connectivity and elements groups

read_mesh(*msh_name=None*)

method which read mesh definitionand return a Mesh object

Parameters **msh_name** : string optional,

the name of the mesh to read, if None it is the first mesh defined in the med file which is read

Returns **output** : Mesh

the corrisponding mesh object

class pyMEDio.**MEDWriter**(*med_file*, *input_format='MED'*)

Methods

write_mesh(*mesh_obj*, *iteration=1*)

Method which write mesh informations; coordinates, connectivity, groups in the MED file

Parameters **mesh_obj** : Mesh

the Mesh object to write in the MED file

iteration : int (optional)

the iteration number associated to this mesh

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