
Matrix Convertor

Release 1

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API REFERENCE

This page contains auto-generated API reference documentation¹.

1.1 Matrix_convertor

1.1.1 Module Contents

Functions

<i>Matrix2List</i> (Mat)	Converting a Matrix object to its associated Data list. The size is appended at the end.
<i>List2Matrix</i> (List, size_r, size_c)	Converting a list and Known sizes to a Matrix object.
<i>Matrix2Numpy</i> (Mat)	Converting a Matrix object to a Numpy Array.
<i>Numpy2Matrix</i> (Array)	Converting a Numpy Array to a Matrix Object.
<i>Matrix2Panda</i> (Mat)	Converting a Matrix Object to a Pandas DataFrame.
<i>Panda2Matrix</i> (df)	Converting a Pandas DataFrame to a Matrix Object.
<i>Matrix2Ods</i> (Mat, name)	Converting a Matrix Object to an Table ods file.
<i>Ods2Matrix</i> (pathname)	Converting a Table ods file to a Matrix Object.
<i>Matrix2xlsx</i> (Mat, name)	Converting a Matrix Object to a Excel File.
<i>xlsx2Matrix</i> (pathname)	Converting an Excel File to a Matrix Object.
<i>Matrix2tex</i> (Mat, name)	Converting a Matrix Object to a Tex Matrix.
<i>tex2Matrix</i> (pathname)	Converting a Tex Matrix to a Matrix Object (Only Matrix object will be treated).
<i>Matrix2png</i> (Mat, name)	Converting a Matrix Object to a png picture.
<i>png2Matrix</i> (name)	Converting a Png picture to a Matrix Object (Only Matrix object will be treated).
<i>Matrix2pdf</i> (Mat, name)	Converting a Matrix Object to a PDF File.

¹ Created with sphinx-autoapi

Attributes

Mat

Matrix_convertor.Matrix2List(*Mat*)

Converting a Matrix object to its associated Data list. The size is appended at the end.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert

Returns List : The converted matrix as data list**Matrix_convertor.List2Matrix(*List*, *size_r*, *size_c*)**

Converting a list and Known sizes to a Matrix object.

Parameters	Type	Description
<i>List</i>	List	The List to convert
<i>size_r</i>	Int	The number of Rows
<i>size_c</i>	Int	The number of Columns

Returns Matrix : A Matrix Object from size (*size_r* x *size_c*) containing the data list.**Matrix_convertor.Matrix2Numpy(*Mat*)**

Converting a Matrix object to a Numpy Array.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert

Returns Numpy Array: The Numpy Array representing the Matrix Object**Matrix_convertor.Numpy2Matrix(*Array*)**

Converting a Numpy Array to a Matrix Object.

Parameters	Type	Description
<i>Array</i>	Numpy Array	The Numpy Array to convert

Returns Matrix: The Matrix Object representing the Numpy Array.**Matrix_convertor.Matrix2Panda(*Mat*)**

Converting a Matrix Object to a Pandas DataFrame.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert

Returns Pandas DataFrame : The DataFrame representing the Matrix Object**Matrix_convertor.Panda2Matrix(*df*)**

Converting a Pandas DataFrame to a Matrix Object.

Parameters	Type	Description
<i>df</i>	Pandas DataFrame	The DataFrame to convert

Returns Matrix : The Matrix Object representing the DataFrame

`Matrix_convertor.Matrix2Ods(Mat, name)`

Converting a Matrix Object to an Table ods file.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert
<i>name</i>	String	The name of the .ods file

Returns None

`Matrix_convertor.Ods2Matrix(pathname)`

Converting a Table ods file to a Matrix Object.

Parameters	Type	Description
<i>pathname</i>	String	The exact name of the file to read, path should be indicated

Returns Matrix: The Matrix containing all the .ods data

`Matrix_convertor.Matrix2xlsx(Mat, name)`

Converting a Matrix Object to a Excel File.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert
<i>name</i>	String	The name of the .xlsx file

Returns None

`Matrix_convertor.xlsx2Matrix(pathname)`

Converting an Excel File to a Matrix Object.

Parameters	Type	Description
<i>pathname</i>	String	The exact name of the file to read, path should be indicated

Returns Matrix: The Matrix containing all the .xlsx data

`Matrix_convertor.Matrix2tex(Mat, name)`

Converting a Matrix Object to a Tex Matrix.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert
<i>name</i>	String	The name of the .tex file

Returns None

Matrix_convertor.tex2Matrix(*pathname*)

Converting a Tex Matrix to a Matrix Object (Only Matrix object will be treated).

Parameters	Type	Description
<i>pathname</i>	String	The exact name of the file to read, path should be indicated

Returns Matrix: The Matrix containing the .tex data

Matrix_convertor.Matrix2png(*Mat, name*)

Converting a Matrix Object to a png picture.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert
<i>name</i>	String	The name of the .png file

Matrix_convertor.png2Matrix(*name*)

Converting a Png picture to a Matrix Object (Only Matrix object will be treated).

Parameters	Type	Description
<i>name</i>	String	The exact name of the file to read

Returns Matrix: The Matrix containing all the Digital Informations of the png file.

Matrix_convertor.Matrix2pdf(*Mat, name*)

Converting a Matrix Object to a PDF File.

Parameters	Type	Description
<i>Mat</i>	Matrix	The Matrix to convert
<i>name</i>	String	The name of the .pdf file

Returns None

Matrix_convertor.Mat