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# StateMint Documentation

**Cameron Devine**

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This module provides convenience functions for turning symbolic matrices into Numpy matrices for simulation and analysis.

`StateMint.to_numpy.array(data, values={})`

Convert a symbolic matrix to a Numpy array.

Converts a given symbolic matrix, most likely returned in the output of *StateMint.Solve*, into a Numpy array.

**Parameters**

- **data** (*sympy.Matrix*) – The symbolic matrix to convert to a Numpy array.
- **(dict of str (values) – float, optional)**: The values to replace each symbolic variable with in a dictionary with the key as a string of the variable name, and the value as the number to replace it with

**Returns** A Numpy array of the matrix using the values given

**Return type** `numpy.ndarray`



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