

A compiler translating Matlab script into Python code.

 **35** commits







 **1** branch


 **0** releases

 **1** contributor

 branch: **master** ▾

**Mat2py** / 

Update readme.md		
 <b>miaoever</b> authored 8 months ago	latest commit fe33a70685 	
 <a href="#">source</a>	Add support for Variable-length input argument list.	8 months ago
 <a href="#">.gitignore</a>	Add support for Variable-length input argument list.	8 months ago
 <a href="#">Readme.md</a>	Update readme.md	8 months ago
 <a href="#">mat2py.py</a>	fix bugs and add lib functions.	8 months ago

 **Readme.md**

# Mat2py

Mat2py is short for Matlab to Python - a compiler designed for translating Matlab script into the code which may run in Python environment directly without any modification.

Now, it's consist of three main components:the lexer and parser for matlab script language, the code generator which generate corresponding python code. You may use some of these parts in your own project independently under the license.


Notice: mat2py project is in a very early version, so any feedback is expecting :)


**Latest release: 0.1 (2013/08/23)**


## Features


- Various methods for constructing matrix / vector
- Function / script (or combined in one) file(s)
- Function declaration or call （support Variable-length input argument list）
- Expressions
- Assignments
- If statements
- Loop statement ( for / while )
- Plugin architecture for loading standard lib function dynamically


**<> Code**


 [Issues](#) 0

 [Pull Requests](#) 0

 [Wiki](#)


 [Pulse](#)


 [Graphs](#)


 [Network](#)


**HTTPS** clone URL

https://github.com/



You can clone with [HTTPS](#), [SSH](#), or [Subversion](#). 

 **Clone in Desktop**

 **Download ZIP**

# Usage

```
# python mat2py.py source [target]
```

- source - the .m file you want to translate.
- [target](optional) - the output file name , if you don't specify it, the target code will print out on the screen directly.

# Requirement

- Python 2.7+
- Numpy\*

\* If you just want to translate the code without running it right now, the Numpy library is optional.

# License

The MIT License

Copyright (C) 2013 miaoo [leo.miao.ever@gmail.com](mailto:leo.miao.ever@gmail.com)

