

这是一个代码环境.

Title of source code

```
1 \documentclass{article} % book,report,letter,beamer
2 \usepackage{amsmath} % AMS package
3 \begin{document}
4 Hello world!
5 $$E = m c^2$$
6 \end{document}
```

这是 MATLAB 程序代码高亮环境.

MATLAB code

```
1 % Euler method for the ODEs
2 clear all; clf
3 h=0.1; x=0:h:1;
4 N=length(x)-1;
5 u(1)=0;
6 fun=@(t,u) t.^2+t-u;
7 for n=1:N
8     u(n+1)=u(n)+h.*fun(x(n),u(n));
9 end
10 ue=-exp(-x)+x.^2-x+1;
11 plot(x,ue,'b-',x,u,'r+', 'LineWidth',1)
12 xlabel('x'), ylabel('u')
```

这是 Python 程序代码高亮环境.

Python code

```
1 # Fibonacci series up to n
2 def fib(n):
3     a, b = 0, 1
4     while a < n:
5         print(a, end=' ')
6         a, b = b, a+b
7     print()
8 fib(1000)
```