



Programming with Matlab

Outline

- overview
- scripts and functions
- repeating
- conditional
- debugging
- performance

Overview

Manual enter array

```
x=[5 6 7; 8 9 10];  
y=[sqrt(10) pi^2 ];
```

Functions to define array using linspace and the colon notation

+

```
u=zeros(2,2);  
v=eye(3,3);  
w=ones(4,4);  
x=linspace(1,10,5); % linspace(first,last,number of elements)
```

```
y=(1:2:5)'; %note using transpose  
z=rand(5,1);
```

Array operations