

o=linspace(2,8,5)

sum(a.*b)

a=[1 2; 3 4]

b=[1,1;1,1]

2*b, a+b, a-b, a.*b, a*b

a=[1 2;3 5]

a(1,2), a(2,1)

a(2,2)=4

a, a(:,:)

a, a(:,1), a(:,2)

a, a(1,:), a(2,:)

a(1,2)=10

a(:,2)=[9;9]

a(1,:)=[0,0]

[b,[0;0]]

[b;[0,0]]

z=b

b(1,:)= b(1,:)+2

b=z

b(:,1)= b(:,1)-2

b=ones(1,3)

b=0*b

b=ones(3,1)

b=8*b

I=eye(2,2)

a=[1,2;3,4]

inv(a)

a*inv(a), inv(a)*a

- 2. Utwórz po 100 wyrazów ciągów.
 - $\bullet \quad \frac{1}{n}$
 - \bullet $\frac{1}{n^2}$
 - $\bullet \qquad \frac{1}{\sqrt{n}}$
 - $\sqrt[n]{n}$
 - $\left(1+\frac{1}{n}\right)^n$
 - $\bullet \quad \frac{n^3 2n^2 + 4}{2n^3 + n^2 + 10n + 14}$
- 3. Oblicz sumy
 - $\bullet \quad \sum_{i=1}^{20} \frac{1}{i!}$
 - $\bullet \quad \sum_{i=1}^{20} \frac{2^i}{i!}$
 - $\bullet \quad \sum_{i=1}^{40} \frac{(-1)^i}{(2i+1)!}$
 - $\sum_{i=1}^{1000} \frac{1}{i^2}$
 - $\bullet \quad \sum_{i=1}^{50} \frac{i^2}{2^i}$