

MATLAB - VECTOR DOT PRODUCT

http://www.tutorialspoint.com/matlab/matlab_vector_dot_product.htm

Copyright © tutorialspoint.com

Dot product of two vectors $a = a_1, a_2, \dots, a_n$ and $b = b_1, b_2, \dots, b_n$ is given by:

$$a \cdot b = \sum a_i \cdot b_i$$

Dot product of two vectors a and b is calculated using the **dot** function.

```
dot(a, b);
```

Example

Create a script file with the following code –

```
v1 = [2 3 4];  
v2 = [1 2 3];  
dp = dot(v1, v2);  
disp('Dot Product:'); disp(dp);
```

When you run the file, it displays the following result –

```
Dot Product:  
20
```

```
Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js
```