

# NumPy - Linear Algebra

NumPy package contains **numpy.linalg** module that provides all the functionality required for linear algebra. Some of the important functions in this module are described in the following table.

Sr.No.	Function & Description
1	<b><u>dot</u></b>  Dot product of the two arrays
2	<b><u>vdot</u></b>  Dot product of the two vectors
3	<b><u>inner</u></b>  Inner product of the two arrays
4	<b><u>matmul</u></b>  Matrix product of the two arrays
5	<b><u>determinant</u></b>  Computes the determinant of the array
6	<b><u>solve</u></b>  Solves the linear matrix equation
7	<b><u>inv</u></b>  Finds the multiplicative inverse of the matrix