

When to put a dot in front of the *, /, and ^ operators

* operator

If the expression on both sides of the * contains an array, then

To do element by element multiplication, put a dot in front of the *

To do matrix multiplication, do not put a dot in front of the *

If the expression on one side of the * contains an array but the expression on the other side does not contain an array, no dot is needed in front of the *

If neither expression contains an array, no dot is needed in front of the *

/ operator

If the expression on the right side of the / contains an array, put a dot in front of the / (it doesn't matter about the expression on the left side)

If the expression on the right side of the / does not contain an array, no dot is needed in front of the / (it doesn't matter about the expression on the left side)

^ operator

If the expression on either side of the ^ contains an array, put a dot in front of the ^

If neither expression contains an array, no dot is needed in front of the ^