

A diagram illustrating the trace of the product of two matrices, A and B . Two square boxes, one labeled A on the left and one labeled B on the right, are connected by a horizontal line. A curved arrow originates from the right side of box A and points to the top of box B . Another curved arrow originates from the bottom of box B and points back to the left side of box A . To the right of box B , there is an equals sign followed by the expression $\text{tr}(AB)$.

$$\text{tr}(AB)$$