

$\vec{\text{div}} F = x + x + 0 = 2x$

The diagram illustrates a calculation of the divergence of a vector field F . The expression $\vec{\text{div}} F$ is written in blue, with a blue arrow above it. This expression is enclosed within a red dashed semi-circle. To the right of the semi-circle is an equals sign, followed by the terms $x + x + 0$, where the first x is blue, the second x is orange, and the 0 is yellow. This is followed by another equals sign and the result $2x$ in blue. A red dashed line extends from the top of the semi-circle to a red dot, from which a red arrow points downwards.