

Mass Flux Vector

[@wikipedia](#)

A vector pointing along the fluid velocity $\mathbf{u}$ and absolute value of the [mass flux](#):

$$\mathbf{j}_m = j_m \mathbf{n}$$

where

$\mathbf{n} = \mathbf{u}/ \mathbf{u} $	unit vector of the fluid velocity $\mathbf{u}$
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It can be also expressed as:

$$\mathbf{j}_m = \rho \mathbf{u}$$

where

ρ	fluid density
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See also

[Natural Science](#) / [Physics](#) / [Mechanics](#) / [Continuum mechanics](#) / [Fluid Mechanics](#)

[[Mass Flowrate](#)] [[Volumetric Flowrate](#)] [[Mass Flux](#)]