

FOM

input  $t$

A block diagram representing the Forward Euler Method (FOM). A light blue rectangular box with a black border is the central component. Inside the box, the differential equation  $\frac{d}{dt}f = Q(f, t)$  is written in a large, black, serif font. An arrow enters the box from the left, and another arrow exits the box to the right. The text 'input  $t$ ' is positioned above the incoming arrow, and 'output  $f$ ' is positioned above the outgoing arrow. The label 'FOM' is centered above the box.

$$\frac{d}{dt}f = Q(f, t)$$

output  $f$