

Dimensionless Fourier time = tD

[@wikipedia](#)

Synonym: [Fourier number \(Fo\)](#) = [Dimensionless Fourier time \(t_D\)](#)

[Dimensionless quantity](#) characterising transient (time dependant) [Heat Transfer](#):

$$(1) \quad \text{Fo} = t_D = \frac{a \cdot t}{L^2}$$

where

<i>t</i>	Heat Transfer transient time
<i>a</i>	Thermal Diffusivity
<i>L</i>	Characteristic length of Heat Transfer

See also

[Physics](#) / [Thermodynamics](#) / [Heat Transfer](#)

[[Dimensionless Heat Transfer Numbers](#)]