

Answer on Question #85535 - Programming & Computer Science / MatLAB | Mathematica | MathCAD | Maple

Question: I'm trying to evaluate the limit ::::

$$\text{Limit}[(\text{sqrt}[t^2 + 9] - 3)/(t^2), t \rightarrow 0]$$

When i click "evaluate cell" Mathematica outputs ::::

$$\frac{-3 + \text{sqrt}[9 + t^2]}{t^2}$$

which is the same thing as what I typed in only in a slightly different order (essentially the same thing i typed in) what am i doing wrong ?

Answer:

One should take into account that all built-in mathematical functions in Wolfram Mathematica start with a capital letter. Thus, changing "sqrt" to "Sqrt" completely solves the problem (see the screenshot below).

