
Subject: Re: Variable is undefined: Actually a function
Posted by [Michael Galloy](#) on Thu, 07 Jul 2011 19:44:08 GMT
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On 7/7/11 1:32 PM, Maegereg wrote:

```
> Michael Galloy wrote:
>> So PHYSIOLOGY::MTT has a "compile_opt strictarr"? Could we see
>> PHYSIOLOGY::MTT?
>>
>> Mike
>
> function Physiology::MTT, realCO=realCO, brainRatio=brainRatio,
> liverRatio=liverRatio, kidneyRatio=kidneyRatio, slowRatio=slowRatio
> compile_opt strictarr
> Forward_Function CALCULATE_DECAY_RATE
> if(N_Elements(realCO) EQ 0) then realCO=self.CO
> standardBV=5000.0d0
> standardCO=6500.0d0
> heartBV=(800.0+100.0)/standardBV*self.BV
> heartMTT=heartBV/realCO
> brainBV=(80.0+20.0+37.0+63.0)/standardBV*self.BV; plus a little more 40.0d0
> if(N_Elements(brainRatio) EQ 0) then brainRatio=975.0d0/standardCO
> brainBF=realCO*brainRatio
> brainMTT=brainBV/brainBF
> aortaBV=(800.0+200.0)/standardBV*self.BV
> aortaBF=(4810.0/standardCO)*realCO
> aortaMTT=aortaBV/aortaBF
> liverBV=(120.0d0+42.5)/standardBV*self.BV
> if(N_Elements(liverRatio) EQ 0) then liverRatio=1885.0d0/standardCO
> liverBF=liverRatio*realCO
> liverMTT=liverBV/liverBF
>
> aorta2BV=(400.0d0)/standardBV*self.BV assumed number
> aorta2BF=(2935.0/standardCO)*realCO
> aorta2MTT=aorta2BV/aorta2BF
>
> kidneyBV=(120.0d0+54)/standardBV*self.BV
> if(N_Elements(kidneyRatio) EQ 0) then kidneyRatio=1430.0d0/standardCO
> kidneyBF=kidneyRatio*realCO
> kidneyMTT=kidneyBV/kidneyBF
>
> slowBV=2200.0d0/standardBV*self.BV
> if(N_Elements(slowRatio) EQ 0) then slowRatio=1820.0d0/standardCO
> slowBF=slowRatio*realCO
> slowMTT=slowBV/slowBF
> slowRate=CALCULATE_DECAY_RATE(slowBF*0.55d0, self.Vf, self.Vs, slowMTT)
>
> return, [slowRate, (heartMTT+brainMTT), heartMTT+aortaMTT+aorta2MTT,
```

```
> kidneyMTT]  
> end
```

This is a wild guess, but something you should check: is the filename `calculate_decay_rate.pro` actually all lowercase? You had mentioned `Physiology__Define.pro` (with initial caps), so I'm wondering. By the way, it is good practice to make all `.pro` filenames completely lowercase, there are strange problems not unlike this that can arise.

Mike

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Michael Galloy

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Modern IDL, A Guide to Learning IDL: <http://modernidl.idldev.com>

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