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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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