
Subject: Problems with using oplot and a for loop
Posted by [Alexa](#) on Fri, 01 Jul 2011 18:30:21 GMT
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Hi All,

I'm am trying to plot a theoretical curve on top of my data. The theoretical curve is being read into the program correctly but when I use the oplot command the theoretical curve does not show up on the plot. I think it has to do with the fact that I'm using a separate for loop to read in the curve array but I don't know what else I should do. Here is my code:

```
;;Open file and put list into an array
ReadCol, "NormTransList.txt", Transition, Lam0, format='a'

;;Read in theoretical curve file
ReadCol, "HITrans.t.txt", TCurve, format='a'

;;Plot radial velocities for each absorption feature
for nt=0, N_ELEMENTS(Transition)-1 do begin
  ReadCol, Transition[nt], wavelength, flux, sigma, format='f,f,f'
  for nr=0, N_ELEMENTS(TCurve)-1 do begin
    ReadCol, TCurve[nr], curve, residue, format='f'
    ;print,curve
  endfor
  ;;Calling the results from the conversion to the procedure
  print, Transition[nt], lam0[nt]
  Velocity=lam_conversion(Lam0[nt], wavelength, zabs)
  oplot, Velocity, sigma,color=fsc_color("cyan")
  oplot, Velocity, curve, color=fsc_color("red")
endfor
```

Any suggestions?
