#pragma rtGlobals=1 // Use modern global access method.

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function appendcomLDA(wavefrom,wavefrom2,wavefrom3,wavefrom4,wavefrom5,wavefrom6,wavefrom7,waveto,offset2,offset3,offset4)

variable wavefrom,wavefrom2,wavefrom3,wavefrom4,wavefrom5,wavefrom6,wavefrom7,waveto,offset2,offset3,offset4

string namewave,namewaveweight,namewavey,namewaveyy,namewaveyyy,namewaveyyyy,namewaveyyyyy,namewaveyyyyyy,namewaveyyyyyyy

string wavex\_1,wavex\_2,wavex\_3,wavex\_4,wavex\_5,wavex\_6,wavex\_7

string wavey1,wavex2,wavey3,wavey4,wavey5,wavey6,wavey7

variable p

wavex\_1="wave"+num2str(wavefrom)

duplicate/o $wavex\_1,plotx1

wavex\_2="wave"+num2str(wavefrom2)

duplicate/o $wavex\_2,plotx2

plotx2\*=-1//cause have to change XM to MX

plotx2+=offset2+offset3

wavex\_3="wave"+num2str(wavefrom3)

duplicate/o $wavex\_3,plotx3

plotx3\*=-1

plotx3+=offset3\*2+offset2

wavex\_4="wave"+num2str(wavefrom4)

duplicate/o $wavex\_4,plotx4

plotx4+=offset3\*2+offset2

wavex\_5="wave"+num2str(wavefrom5)

duplicate/o $wavex\_5,plotx5

plotx5+=offset3\*2+offset2+offset4

wavex\_6="wave"+num2str(wavefrom6)

duplicate/o $wavex\_6,plotx6

plotx6\*=-1// change XM to MX

plotx6+=offset3\*3+2\*offset2+offset4

wavex\_7="wave"+num2str(wavefrom7)

duplicate/o $wavex\_7,plotx7

plotx7\*=-1//change XG to GX

plotx7+=offset3\*4+2\*offset2+offset4

for(p=wavefrom;p<wavefrom2;p+=3)

// namewavex1="wave"+num2str(p)

namewavey="wave"+num2str(p+1)

appendtograph $namewavey vs plotx1

//print namewavey

endfor

print "GM"

for(p=wavefrom2;p<wavefrom3;p+=3)

// namewavex2="wave"+num2str(p)

namewaveyy="wave"+num2str(p+1)

appendtograph $namewaveyy vs plotx2

//print namewavey,plotx2

endfor

print "MX"

for(p=wavefrom3;p<wavefrom4;p+=3)

// namewavex2="wave"+num2str(p)

namewaveyyy="wave"+num2str(p+1)

appendtograph $namewaveyyy vs plotx3

// print namewaveyyy,plotx3

endfor

print "XG"

for(p=wavefrom4;p<wavefrom5;p+=3)

// namewavex2="wave"+num2str(p)

namewaveyyyy="wave"+num2str(p+1)

appendtograph $namewaveyyyy vs plotx4

//print namewaveyyyy,plotx4

endfor

print "GZ"

for(p=wavefrom5;p<wavefrom6;p+=3)

// namewavex2="wave"+num2str(p)

namewaveyyyyy="wave"+num2str(p+1)

appendtograph $namewaveyyyyy vs plotx5

//print namewaveyyyyy,plotx5

endfor

print "ZA"

for(p=wavefrom6;p<wavefrom7;p+=3)

// namewavex2="wave"+num2str(p)

namewaveyyyyyy="wave"+num2str(p+1)

appendtograph $namewaveyyyyyy vs plotx6

//print namewaveyyyyyy,plotx6

endfor

print "AR"

for(p=wavefrom7;p<waveto;p+=3)

//namewavex2="wave"+num2str(p)

namewaveyyyyyyy="wave"+num2str(p+1)

appendtograph $namewaveyyyyyyy vs plotx7

//print namewaveyyyyyyy,plotx7

endfor

print "RZ"

SetAxis left -1.5,0.2

variable i

for(i=wavefrom;i<waveto;i+=3)

namewave="wave"+num2str(i+1)

namewaveweight="wave"+num2str(i+2)

ModifyGraph mode($namewave)=3,marker($namewaveweight)=19;DelayUpdate

ModifyGraph zmrkSize($namewave)={$namewaveweight,\*,\*,1,10};DelayUpdate

ModifyGraph zColor($namewave)={$namewaveweight,\*,\*,YellowHot,1}

print i

endfor

end