Subject: Re: Plotting lookback time (in Gyrs) and redshift on two x axis in IDL
Posted by johndraper1993 on Wed, 03 Dec 2014 21:56:51 GMT
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I understand that i can make one axis logarithmic in scale but i don't think this helps me as redshift isn't logarithmic with respect to lookback time (res).

I have worked out what redshift is with respect to lookback time in Gyrs:

$z=(sqrt((1.-omega\_m)/omega\_m)/sin(res*3*h*sqrt((1.-omega\_m)/ (2*9.777505969))))$

Do you know if there is there anyway i can set the top axis to have this scaling within some set of values?

please say if i haven't made it clear

Thanks, John