From GR content => one postulate = stage of accelerated expansion => explanation of hom, isotr. + 2 noutrivial predictions - 52 total = 1 = 10-8 - spectrum of pertur. spectrum is never HZ for generic inflation. It is tilded φ2 = ε 10-12 1 1-12 1 2-1-4a No-1 = -3 (1+ E) 21:Ha + ((1) [1) 0.9 % h < 0.96 ! not too much grav. waves! caussian perturbations

L.P. 9/6/2003:

We are writing a proposal to get money to do our small angular scale CMB experiment. If I say that simple models of inflation require n_s=0.95+/-0.03 (95\% cl) is it correct?

I'm especially interested in the error. Specifically, if n_s=0.99 would you throw in the towel on inflation?

V.M. 9/8/2003

The "robust" estimate for spectral index for inflation is $0.92 < n_s < 0.97$. The upper bound is more robust than lower. The physical reason for the deviation of spectrum from the flat one is the nessesity to finish inflation.... If you find $n_s = 0.99 + 0.01$ (3 sigma) I would throw in the towel of inflation.

V.M. 3/17/2006

GREAT job. I am really impressed. The results for the spectral index are better than I expected. Just to be sure how reliable they are let me ask you the related question: How much from your own money (say what fraction of all you have) would you bet for n<1.

I am not kidding- I guess it is a better criteria than sigma.

L.P. 4/5/2006

In terms of my own money, I'd bet a lot (many thousands and a few beers) that with a flat geometry 5 parameters (n=1, omega_bh², Omega_mh², h, tau, sigma₈) does not describe the data.