

## ERRATUM

In the paper “Signatures of Stellar Reionization of the Universe” by Zoltán Haiman and Abraham Loeb (ApJ, 483, 21 [1997]), the stated values of the normalization  $\sigma_{8h-1}$  are misleading as they are based on Gaussian, rather than conventional top-hat filtering. We calculated the value of  $\sigma_{8h-1}$  from the power spectrum  $P(k)$  with a Gaussian filter; i.e., using  $W(k) = \exp(-k^2 r^2/2)$  in the expression  $\sigma^2(r) = \int d^3k W^2(k) P(k)$ . With the BBKS power spectrum (J. M. Bardeen, J. R. Bond, N. Kaiser, & A. S. Szalay, ApJ, 304, 15 [1986]), this gives a 2.23 times smaller value for  $\sigma_{8h-1}$  than one would obtain with the conventional top-hat filter,  $W(k) = 3j_1(kr)/kr$ . Accordingly, our values quoted for  $\sigma_{8h-1}$  should be multiplied by a factor of 2.23 to correspond to the conventional interpretation.

Our results remain valid, except that our models with  $\sigma_{8h-1}(\text{Gaussian}) = 0.67$ , for example, correspond to  $\sigma_{8h-1}(\text{top-hat}) = 1.49$ . We have reproduced our calculations using the conventional top-hat normalization in each case. Table 1 summarizes the corrected reionization redshifts and electron scattering optical depths for the original range of parameters. Although in all cases reionization occurs somewhat later than originally stated (at  $z = 18$  rather than  $z = 25$  in our standard model), the electron scattering optical depths remain similar and are detectable by MAP and the Planck Surveyor. The authors would like to thank N. Gnedin for a discussion that led to their noticing and correcting the error.

TABLE 1  
CORRECTED PARAMETER VALUES

Parameter	Standard	Range	Reionization Redshift	Optical Depth
$\sigma_{8h-1}$ .....	0.67	0.67–1.0	18–22	0.07–0.11
$n$ .....	1.0	0.8–1.0	13–18	0.04–0.07
$\Omega_b$ .....	0.05	0.01–0.1	17–19	0.02–0.13
$f_{\text{star}}$ .....	13%	1%–40%	12–24	0.05–0.09
$f_{\text{esc}}$ .....	$f_{\text{esc}}(z)$	3%–100%	11–18	0.05–0.07
IMF tilt ( $\beta$ ) .....	0	0–1.69	18–1	0.01–0.07
H <sub>2</sub> feedback .....	Yes	Yes/No	18–20	0.07–0.11