

## Errata in “Galaxy Formation and Evolution” (Mo, van den Bosch and White)

This list includes all errors found so far. The errors are divided into two categories, “Significant errors” (serious or misleading errors in equations and in the text), and “Innocuous errors”.

### Significant errors

- P82, Eq.(2.46): insert  $\frac{1}{M}$  in front of the summation. (Credit: G. Blanc)
- P142, Eq.(3.210):  $16.4\eta \rightarrow 16.4$
- P171, line 1 in §4.1.5:  $\xi \rightarrow \xi^{-1}$  (Credit: L. Barnes)
- P207, Eq.(4.272):  $\frac{3}{(kR)^2} \rightarrow \frac{3}{(kR)^3}$  (Credit: Z. Butcher)
- P243, Eq.(5.162), the third variable in the second B:  $\chi \rightarrow 1 - \chi$  (Credit: A. Benitez Llambay)
- P244, Eq.(5.167):  $\tilde{\Phi} \rightarrow \tilde{\Psi}$  (Credit: A. Benitez Llambay)
- P301, Eq.(6.234): insert  $\frac{1}{c^2}$  after the minus ( $-$ ) sign in the first line; insert  $\frac{1}{c^2}$  after the equal ( $=$ ) sign in the second line
- P301, Eq.(6.235): insert  $\frac{1}{c^4}$  after the equal ( $=$ ) sign
- P352, Eq.(7.139):  $\bar{\rho} \rightarrow \rho_{\text{crit}}$
- P353, Eq.(7.141):  $\frac{\Delta_h}{3} \rightarrow \frac{\Delta_h \Omega_m}{3}$
- P499, Eq.(11.30): get rid of the minus sign following the equal sign (Credit: A. Battisti)
- P659, Eq.(15.16):  $\frac{d^2 N}{dm^2} \rightarrow \frac{d^2 N}{dm dz}$
- P680, Eq.(15.80):  $\tilde{u}(k|m) \rightarrow \tilde{u}(k|M)$
- P681, Eq.(15.85), first line:  $\tilde{u}(k|m) \rightarrow \tilde{u}(k|M)$
- P755, line 1 below Eq.(B1.39):  $\hbar_p^2/4\pi^2 m_e q_e^2 \rightarrow \hbar_p^2/m_e q_e^2$

### Innocuous errors

- Title page: *Max Planck*  $\rightarrow$  *Max Planck*.
- P10, Fig. 1.2: Add an arrow from the box labeled ‘cold gas’ to the line labeled ‘AGN accretion’
- P24, line 12 from bottom: a homogeneous  $\rightarrow$  an inhomogeneous
- P47, line 2 in caption of Fig. 2.16:  $\mathcal{M}_B \leq 20.5 \rightarrow \mathcal{M}_B \leq -20.5$ . (Credit: W. Luo)
- P94, line 1 below Eq.(2.59):  $K = H_0^2 a_0^2 (\Omega_0 - 1) \rightarrow K = H_0^2 a_0^2 (\Omega_0 - 1)/c^2$  (Credit: L. Graziani)
- P192, line 5 below Eq.(4.209): Eq.(4.205)  $\rightarrow$  Eq.(4.206)
- P216, line 3 from bottom:  $3M/4\pi\bar{\rho}(t) \rightarrow [3M/4\pi\bar{\rho}(t)]^{1/3}$
- P249, line 11:  $(df/dt = 0) \rightarrow (df/dt = 0)?$
- P330, Eq.(7.57):  $P(\Delta\delta_s|\delta_s) \rightarrow P(\Delta\delta_s|\delta_s)d(\Delta\delta_s)$
- P386, line 4 of the caption to Fig.8.6:  $f_{\text{gas}} = 0.15 \rightarrow f_{\text{gas}} = 0.15$ ,
- P392, line 3 below Eq.(8.132): Eds  $\rightarrow$  EdS
- P403, line 1 above Eq.(8.192): by  $M_{\text{sp}}$  and  $M_{\text{sp}} \rightarrow$  by  $M_{\text{sp}}$  and  $v_{\text{sp}}$
- P412, line 2 below Eq.(8.221): in detail is  $\rightarrow$  in detail in
- P414, line 15 from bottom: In many some clusters  $\rightarrow$  In many clusters
- P470, line 6 from bottom:  $R_s \rightarrow r_s$
- P571, line 1: cannabalism  $\rightarrow$  cannibalism
- P647, line 4 in §14.3.3:  $10^{10}M. \rightarrow 10^{10}M_{\odot}$
- P741, Eq. (A1.2) and the line above it:  $ds^2 \rightarrow dl^2$
- P776, below the line ‘Planck constant’ add a new item:  
Reduced Planck constant  $\hbar_p = h_p/2\pi$
- P776, Electron charge:  $e \rightarrow q_e$
- P779, line 13 from bottom, reference ‘Blandford R.D., Payne D.G. 1982, MNRAS, 199, 883’ listed twice