

# **Introduction to Galaxy Formation and Evolution**

From Primordial Gas to Present-Day Galaxies

- Errata -

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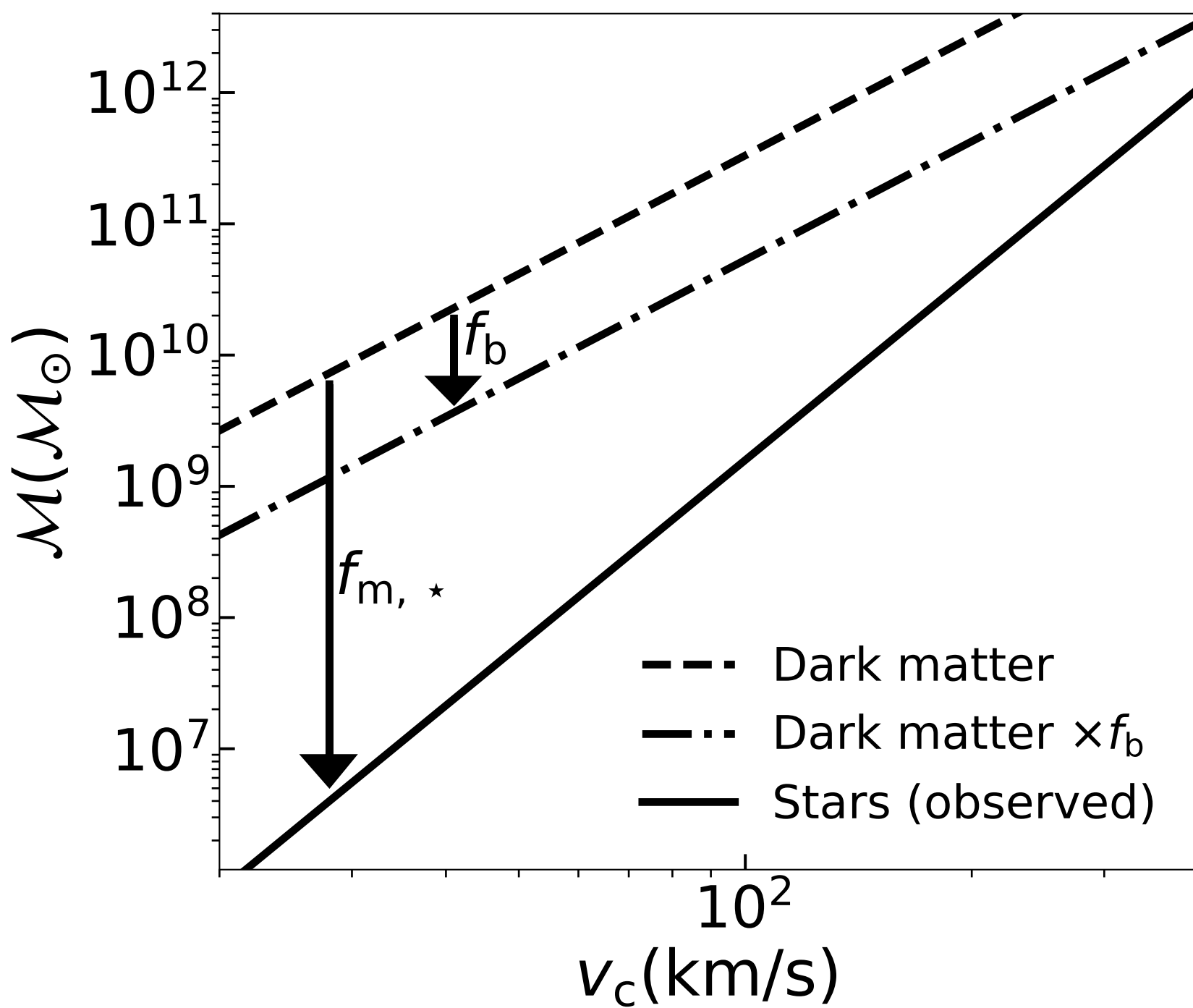
## List of errata in the first printing

Updated: 10 May 2022

- §4.6.1, p. 110:  
 $h_{\star} \approx 900 \text{ kpc} \rightarrow h_{\star} \approx 1 \text{ kpc}$
- §6.3.1, p. 168, Table 6.2 (line “Metallicity([Fe/H])”, rightmost column):  
 $-1 \text{ to } -2.7 \rightarrow -1.8 \text{ to } -2.7$ .
- §8.2.1, p. 234:  
of an isothermal self-gravitating unmagnetised gas  $\rightarrow$  of a self-gravitating unmagnetised gas
- §8.5.1, p. 271 (beginning of second paragraph):  
from the theory of stellar evolution (§C.5)  $\rightarrow$  from the theory of stellar evolution (Tab. 8.1 and §C.5)
- Table 8.1, p. 272 (4th line excluding header):  
 $24\text{-}250 \rightarrow 24\text{-}259$
- Table 8.1, p. 272 (8th line excluding header):  
 $\leq 9 \rightarrow \leq 10$
- §10.10.3, p. 410, eq. (10.17):  
 $H(z)^2 \rightarrow H^2(z)$ .
- §10.10.3, p. 410, Fig. 10.22 must be replaced (**see below**).
- §10.10.3, p. 411, second paragraph:  
The arrow in the plot indicates their combined effect.  $\rightarrow$  The arrows in the plot indicate their effects.
- §11.2.6, p. 456:  
described in §11.2.5 and §11.2.6  $\rightarrow$  described in §11.2.5 and in this section

- Appendix B, p. 500, Table B.1 (line “Boltzmann constant”):  
1.38064852(79)  $\rightarrow$  1.380649
- Appendix B, p. 500, Table B.2 (line “Boltzmann constant”):  
1.38064852(79)  $\rightarrow$  1.380649
- Appendix B, p. 500, Table B.1 (line “Planck constant”):  
6.626070040(81)  $\rightarrow$  6.62607015
- Appendix B, p. 500, Table B.2 (line “Planck constant”):  
6.626070040(81)  $\rightarrow$  6.62607015
- Appendix B, p. 500, Table B.1 (line “Elementary charge”):  
4.80320425(10)  $\rightarrow$  4.80320471257
- Appendix B, p. 500, Table B.2 (line “Elementary charge”):  
1.6021766208(98)  $\rightarrow$  1.602176634
- Index, p. 560 (right-hand column, below “Fanaroff-Riley....” and above  
“fast rotators...”), please add the following item:  
Faraday rotation, 82

# Tully-Fisher relation



# $j_\star - \mathcal{M}_\star$ relation

