

# ASTRONOMY: A PHYSICAL PERSPECTIVE - 2<sup>ND</sup> ED

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## After Press Corrections

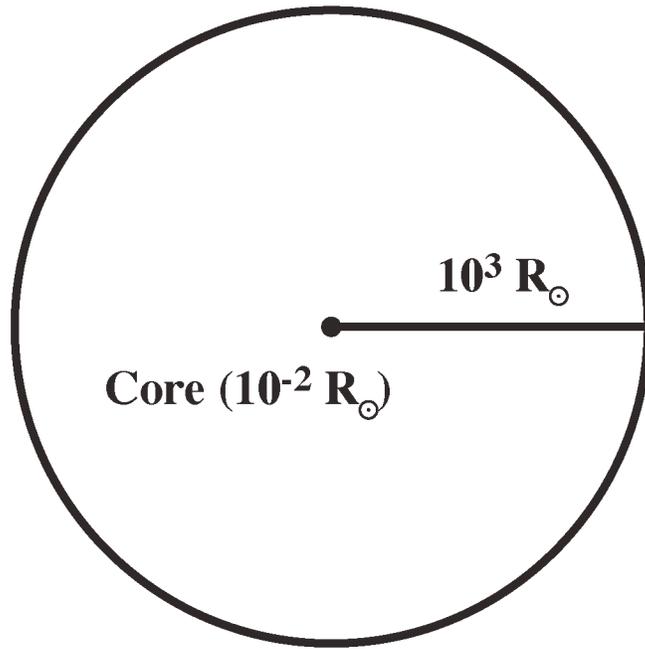
page	where	line	Correction
xviii	Col. 1	1	replace “Catherine Garland” with “Carol Miller”, then move “I would also like to thank an extraordinary copy editor, Irene Pizzie, for always knowing what I meant to say, and production manager, Carol Miller, for keeping the project moving along, and always keeping me in the loop.” to the end of the first full paragraph in the 2 <sup>nd</sup> col on p. xvii.
5	Col. 1	-5	replace “2100” with “2.1 million”
9	Col. 1	-13	replace, “BC” with “AD”
17	Col. 2	18	replace, “decreases,” with “increases”
22	Prob. 2.10	last	add “It is necessary to solve this numerically.”
29			columns are too close together.
29	Col. 2	-17	replace, “(3.2)” with “(3.3)”
30	Col. 2	last	replace, “A free electron would then have,” with “To become a free electron, it must acquire,”
34	Eqn. (3.10)		replace “ $g_r / g_{r+1}$ ” with “ $g_{r+1} / g_r$ ”
36	Col. 1	-27	replace, “Hertzprung” with “Hertzsprung”
		-12	replace, “Hertzprung” with “Hertzsprung”
		-6	replace, “Hertzprung” with “Hertzsprung”
42	Cap 4.1	last	insert “(b)” at beginning of line
80	Prob. 4.21	last	insert “The diameter of ISO is 0.60 m, and the diameter of SIRTf is 0.85 m .”

page	where	line	Correction
84	Cap. 5.1	-4	replace, “brighter,” with “hotter.”
88	Eqn. (5.20)		replace, “ $\pi$ “ with “ $\pi^2$ “
93	Eqn. (5.40b)	1	replace “ $v_b^2$ ” with “ $v_p^2$ ”
99	Prob. 5.7(b)	last	insert after “times” “ ; take $v = 20$ m/s and $d = 1000$ m”
100	Prob. 5.21	1	insert “1.7” between “period” and “days”
		last	replace the last sentence with, “What can you conclude about the mass of the companion?”
104	Col. 1	-11	replace, “ $dI'/I$ “ with “ $dI'/I'$ “
131	Sec. 7.4.1	1 <sup>st</sup>	replace “towards” with “away from”
	Sec. 7.4.2	1 <sup>st</sup>	replace “towards” with “away from”
132	Eqn. (7.6)		replace “-“ with “+”
135	Col 1	-4	replace “ $p_x$ ’ “ with “ $p_x$ ’ “
173	Fig. 10.3		see new version of figure
188	Col 2	8	replace “ $n_e$ “ with “ $n_Z$ “
		9	replace “ $n_e$ “ with “ $n_Z$ “
203	Cap. 11.12	3	delete “Michael Kramer/”
		last	add at end of credit: “(1998) Fig. 6.5”
205	Cap. 11.13	2	delete “Michael Kramer/”
		last	add at end of credit: “(1998) Fig. 6.5”
207	Prob. 11.3	6	insert at the beginning of the equation: “ $R$ “
233	Prob. 13.8	-2	replace “cluster to move” with “star to move”
250	Cap. 14.14	last	put “( )” around “2002”

page	where	line	Correction
258	Example 14.5	-3	replace “giant Molecular clouds” with “Giant Molecular Clouds (GMCs)”
282	Col. 1	2	replace “ $c/\Delta t$ ” with “ $c \Delta t$ ”
303	Cap. 16.12		delete “The solid contours are heights (in kpc) above the plane and the dashed contours are heights below the plane,”
311	Prob. 16.2	last	add at the end, “Leave your answer in terms of $R$ .”
311	Prob. 16.11	last	add at the end, “Use the rotation curve given in this chapter.”
352	Prob. 18.9	1 <sup>st</sup>	replace whole problem with, “For some galaxy, we measure a recession velocity of 3000 km/s. How far away is that galaxy for Hubble constants of: 50, 65, 70 and 100 km/s/Mpc?”
356	Cap. 19.8	last	change “[NOAO/AURA/NSF]” to “[NRAO/AUI/NSF,STScI/NASA]”
360	Cap. 19.2	-1	replace, “Ann Wehrle (Caltech/NASA” with “Glenn Piner, Whittier College”
387	Fig. 20.8		see new version of figure
387	Cap. 20.8		add at end of caption: “In this figure the arrow traces the route of a photon, emitted in the first frame, through an expanding universe in the second frame, and absorbed in the third frame. The solid part of the arrow shows where the photon has already been.”
387	Eqn. 20.30		replace “ $R(t_0)$ ” with “ $1/ R(t_0)$ ”
394	Prob. 20.12a		replace “0” with “0 to 1/2”
394	Prob. 20.14		replace “equation (20.33)” with “equation (20.38)”
394	Prob. 20.15		replace “equation (20.33)” with “equation (20.38)”
394	Prob. 20.15		replace “(4)” with “(d)”

page	where	line	Correction
394	Prob. 20.16		replace “(4)” with “(d)”
530	Cap. 26.8	3	change “(a) - (c) NASA” to “(a) - (c) STScI/NASA”
546	Col. 1	-17	insert “days” after “3”.
553	Col. 1	5	change “dyne cm <sup>2</sup> g <sup>2</sup> “ to “dyne cm <sup>2</sup> / g <sup>2</sup> “
578	Col 1	-11	change “Abell 218” to “Abell 2218”
578	Col 2	7	change “85, 85 “ to “85, 85 , 132“
578	Col 2	38	change “magnetic fields, 357” to “magnetic fields, 355, 357”
578	Col. 2	42	delete, “strong magnetic field, 355”
578	Col 3	10	change “15” to “15 - 6”
578	Col 3	24	the proportional symbol should be “ $\alpha$ ”

(a)



(Not to Scale)

(b)

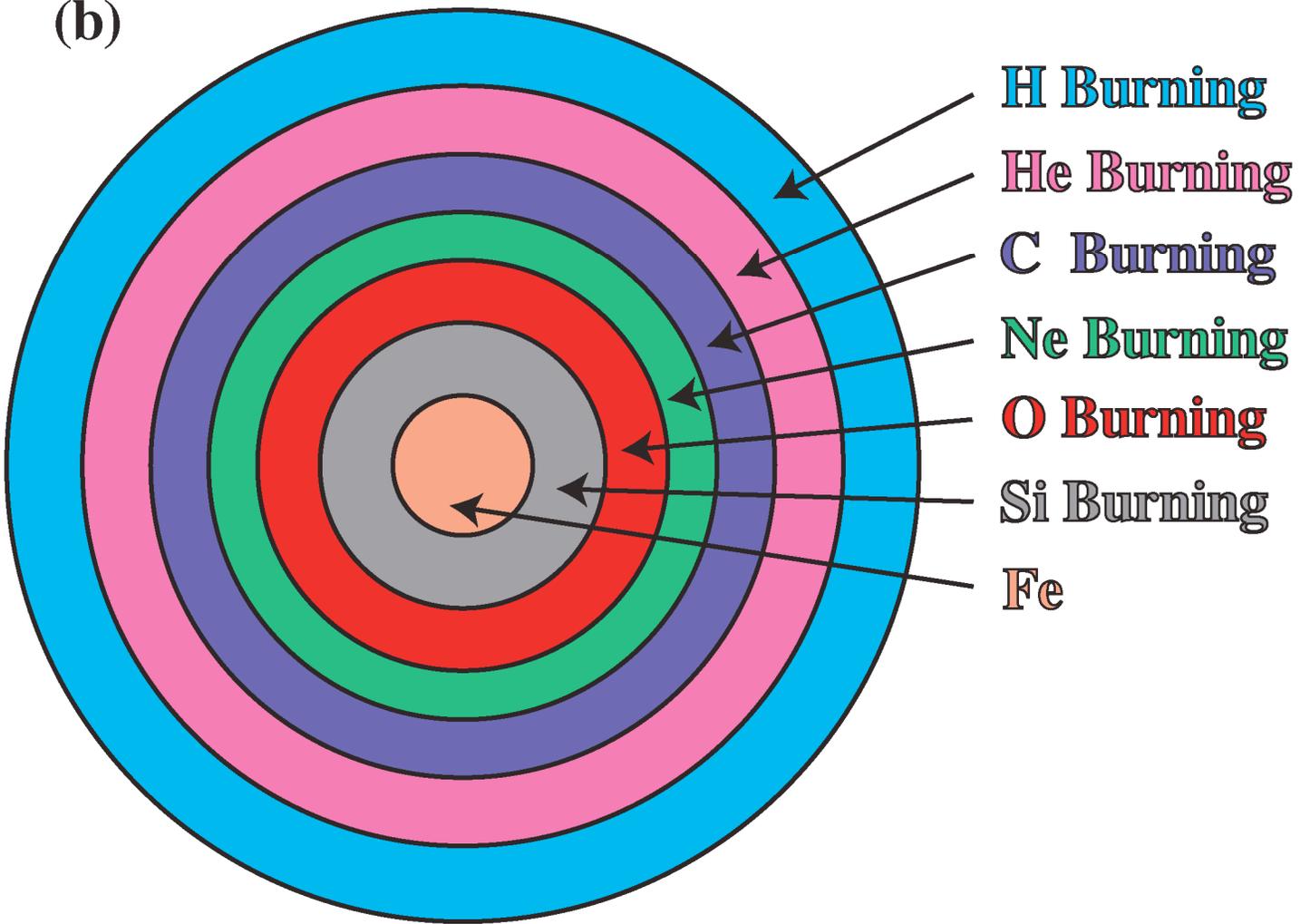
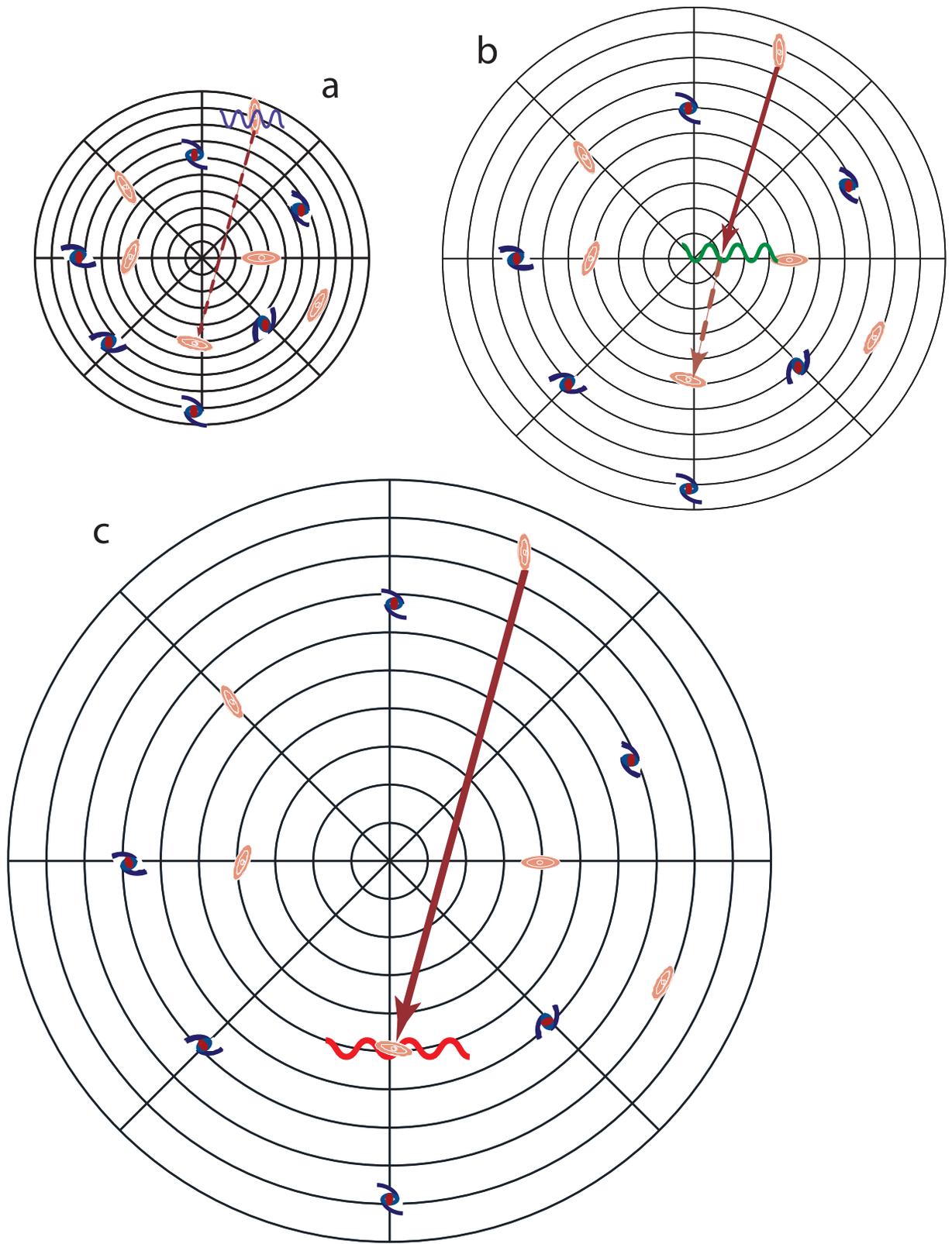


Fig. 10.3



**Fig. 20.8**