

## Corrections to Text

	page	paragraph & line	remove	insert
Ch. 1	5	2, 10	the small energies	small energies such as those
	6	3, 9	equatorial	equatorial
	8	4, 2	to ordinary symmetry	
	8	4, 8	causes	cause
	15	1, 13	uncover	uncovered
	16	3, 9	Lorentz	Lorenz
Ch. 2	36	1, 4	(x,y,z)	(x,y)
Ch. 3	72	1, 3	that	
	81	3, 2'	[ <b>q,p</b> ]	( <b>q,p</b> )
	82	3, 1	unit vectors <b>i, j</b>	unit vectors <b>i, j</b>
	86	1, 2	is	and are
	88	figure caption	<b>dp' x dp'</b>	<b>dq' x dp'</b>
	94	4, 3	– they	,
Ch. 4	112	1, 4	i. e.	
	115	2, 6	. For	, for
Ch. 5	158	2, 7	t	t'
Ch. 6	169	2, 2	bold-face characters	ordinary characters
	169	2, 9	bold-face characters	ordinary characters
	171	2, 2	<b>x'</b>	x''
	176	1, 10	These requirements	This requirement
	178	2, 2	<b>u<sub>κ</sub></b>	<b>U<sub>κ</sub></b>
	179	1, 1	another	all
	179	3, 5	<b>C<sup>κ</sup></b>	<b>C<sup>κ'</sup></b>
	179	3, 17	then	
	181	2, 4		. . . , before <b>α<sub>r</sub></b>
	187	4, 2	by	of
	194	3, 3	the	an
	194	3, 11	give	give them
	202	6, 1	operator A of a Lie algebra	operators of a Lie algebra A
	202		Lie algebra	
	Ch. 7	215	1,11	dH and dH
220		1,2	Appendix C	
223		3,6	q-p	q-q

	231	1,12	and the	and if the
	244	1,9	$q'_j(t)$	$q_j(t)$
	244	1,19	vanish,	vanish, and
	246	Ex. 2a	q-q	q-p
Ch. 8				
	254	2,5	t	$t^2$
	256	2,20	$\mathbf{A}_>$	$\mathbf{A}_<$
	262	3,2	as follows:	as $p_j$ , with:
Ch. 9				
	278	4,7	(9.2.11a),(9.2.11b)	(9.2.12a),(9.2.12b)
	290	1,18	variables	variable
	295	2. 10	$\beta$	b
	295	2,11	$\exp(iq)$ , $\exp(iq_y)$	$\exp(i\theta)$
	296	b,2	constants	constants
	302	Ex. 1	$QP_j^{(1,2)}$	$q_j p_j$ and $(q_j p_j)^2$
Ch. 10				
	308	2,last	, and . . . factors	
	310	1,6	assigned	assigned to
	311	2,3	and	
	318	2,13	$\exp(\boldsymbol{\alpha} \cdot \mathbf{S})$	$\exp(\alpha_j S_j)$
	318	2,13	functions $f(\mathbf{x})$	$\mathbf{x}$
	327	3:2,5	only	
	334	Ex.1,2	(10.5.18)	(10.5.20)
Ch. 11				
	352	3,2	sets up	allows one to set up
Ch. 12				
	362	3,5	than	than those
	362	3,10	increase	increases
	364	2,5	such	of
	368	1,10	and	
Ch. 13				
	401	1, 7	tops.	tops. <sup>25</sup>
	406	2, 4	. <sup>3</sup>	. <sup>31</sup>
	400	Figs. 13.4		Axes with units that distinguish the cases
Ch. 14				
	410	3, 21	wires`	wires of length L meters,
	413	3,5	Sec. 14.4 of	
	416	Figure	0.5c	0.5/c
		(captions)	0.9c	0.9/c
			t	v
	422	1,1	heavenly objects	nebulae
	422	3,6	in which	in which we now set

431 Ref. [9] Collected works  
431 Ref. [20] arXiv references

The Scientific Papers  
*Symmetries in Nature, Symposium in  
Memoriam of Marcos Moshinsky,*  
AIP Conf. Proc. **1323**, 323 (2011)

Index

435 Maxwell's inverse  
equations

inversion

## Corrections to Equations

	page	equation number	corrections
Ch. 1	14	(1.7.1)	change <b>d</b> to d
Ch. 4	107	(4.1.6a)	change $\alpha'$ to $\alpha$ and $T(\beta) x'$ to $T(\gamma) x$
Ch. 6	169	(6.1.1)	change bold face characters to ordinary characters
	169	(6.1.2)	change bold face characters to ordinary characters
	177	(6.2.4a,b)	insert ... , before $\alpha_r$
	185	(6.4.22)	on the LHS insert ... , before $c_n$
Ch. 7	213	(7.2.11b)	insert ' after $q_k$ and $p_k$ and remove ' after $p$
	213	(7.2.12a)	change $\square \partial q_j$ to $\partial q_k$ and change the final $q'_j$ to $p'_k$
	213	(7.2.12b)	change $p_j$ to $p_k$ and change $\partial q'_j$ to $\partial q'_k$
	244	(7.B.3a)	interchange $\delta q'_j$ and $\delta q_j$ ,
	244	(7.B.6)	insert a negative sign before $\partial L / \partial q_j$
Ch. 8	254	(8.2.1b)	change $E$ to $E'$ and $t'$ to $t$
	257	(8.2.11)	$A_{<}^2$ to $A_{>}^2$
	268	(8.5.7b)	change $p_0$ to $p_{00}$
	268	(8.5.8b)	change $p_0$ to $p_{00}$
Ch. 9	278	(9.2.9)	change all boldface characters and parentheses to ordinary ones
	281	(9.3.1b)	change $\partial x x$ to $\partial x x$ and $\partial t t$ to $\partial t t$
	288	(9.5.14)	replace the RHS with $2(v - E) \partial \Psi / \partial x + 2 \partial v / \partial x \Psi$
	295	(9.7.5)	remove $q_y$ from the LHS and remove the last Q from the integral
	295	(9.7.7a)	change $q_y$ to $\theta$
	295	(9.7.7b)	remove second $\exp(iq_y)Q'$ and change $q_y$ to $\theta$
	298	(9.8.4)	change $(\omega)^{-1/2}$ to $(2\omega)^{-1/2}$
	298	(9.8.7)	remove the expression between the 2nd and 3rd = signs
Ch. 10	318	(10.5.22)	replace equations with $\mathbf{x}' = (\mathbf{x} - \delta_{ij} \alpha_j x^2) / (1 - 2 \alpha_j x_j + \alpha_j^2 x^2)$
Ch. 14	410	second equation	insert L in the numerator before the "/" sign
	432	(14.3.7b)	on the right-hand side replace $x'$ with $x$
	423	(14.3.12c)	change $\beta$ to $-\alpha / 2c$
	425	(14.3.12c)	remove the final exponent 2 in the numerator place it at end of the denominator