



	Resalis And Do An we get the weal kinetic term
_	Revaling Ana H & Ana, we get the weal kinetic term -1 Fina FMa and the covariant derivation become Dn H H Dn Y - ig Ana to Y
	D. N. Dan Y-ia, Ama to Y
	Shirt Spirit Spi
19 4	Youg-Mills theory
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	1 FA 15-1 T TWO IN TO A THE TO THE
	The Yeng-Mills Lagrangian is L[A,+)=- + France Fra + i PDH-m + N with:
· ·	with:
	- tova = gn Ava - dv Aha + g Jake Ant Ave
	-> Fina = gn Ava - dr Ana + g Labe Ant Arc -> Dn += dn + - ig Ana ta +
→	In important feature of L for quantization is L = Lo + LI with:
	Lo = -1 (2, Ava-2, Ana)(2, A, a) + i N3 N-MNY
	An important feature of L for quantization is $L = X_0 + L_{I}$ with: $L_0 = -\frac{1}{4} (\partial_{\mu} A_{\nu a} - \partial_{\nu} A_{\mu a}) (\partial^{\mu} A^{\nu}_{a} - \partial^{\nu} A^{\mu}_{a}) + i \overline{\mathcal{A}} \overline{\mathcal{A}} \mathcal{A} - m \overline{\mathcal{A}} \mathcal{A}$ $= X_0 [A, \mathcal{A}]$
	Lt = - g In Ava Labe AM AV c - \frac{1}{4} g^2 Labe Late And Ave AM AVE + g Ana Tymta Y
	+ g Ana Tymtay
-	- LI[A]
→	Become of the non-abelian nature, garge boson interact with
	themselves: 0000000 and months
	الرومي)
	La This had to radiative corrections of a new kind:
	mend med
	Lowe expect renormalization and evolution of couplings also in the
	11 .: Il I has
	theory without matter
	0 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
→	garge ryuntry imposes that 3 different vertices are associated to
	one and only one cocyling of.
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