eyan rus fur ferions Pearl Titely Text) = (Text Text) XEY S_x(x-y) - John J. 277 ican e (cx) = (01 T 400 FC/1)(6) T. 4:)== (4-- + an post Catactus): GERGER STORED ROSE ma 74) = SECRES Marky = Farky = 0 467() = (450, 76)3 x37 1- (4(1), F(M) 267 what happens IF I make it Food yourself form + Food -> form + Food.

Little Sox gated. Consider form + Food -> form + Food. 6 SPRITEXY (-STX STTY) (P, Y) 4-01185) = Sign = 5 as we (1) = 10 x (ver 45 10)) = (-19) (1) (21) 5(P-P+9) 12+6 8(V-K-4) X JUMP JUMK)

一个文文 = 《图片》(150°) x 生产和10°) 2年中间10°) ~ Single V (r) e Son i (A+m) = i4(xy) -ily ik) Directions count toyer aling femin lives. ~ a(P3) · (P/+m) i(P/+m) u(P0) = (-15) (a(p)u(p) (g-p)² (g-p)² (y) appulk (KP) = Tack Lyp) In a non reut ste regard (15 (1) = JM (3)) - (3) - (3) (1) (3) = 2 m 855 50 M= 192 2m 355 2m JT + 0 String 4 be ptices. IP-PAME

Corpue with Bornapplex.

< p) 17/p>=-1 \(\sigma(1) (21) (21) O(6p-6p) ~ V(1)=-3 + compr a yester potentiali

$$S = S^{\frac{1}{2}} X \left(\frac{1}{4} \sum_{i=1}^{n} \sum_{j=1}^{n} \right), \quad F_{i,j} = \frac{1}{2} A_{i} - \frac{1}{2} A_{j}$$

$$= \frac{1}{2} \left(\frac{1}{4} (2^{n} A_{i} - 2^{n} A_{j} + 2^{n} A_{j} - 2^{$$

b) $\mathcal{L} = -\frac{1}{4} \mathcal{L}_{\mu} \mathcal{L}_{\nu} \mathcal{L}_{\nu}$ N'= eixmonita RX= (=ixmon) & XP 1) / / / / / / -a) = A, (xx-a) + 1xx pras) / A(x-a-ixpry) $= A_{\nu}(x) + i x^{\nu} (n_{\nu})^{\nu} A_{\nu}(x) + \alpha^{\nu} \partial_{x} A_{\nu}(x)$ + x x (0x1) x 2, A, (x) +--U) LAU = i ~ ((A) (A) (X) + ~ Oo A) (X) + a 2 A/12). Space for factors A) $\partial_x A_y = \partial_x A_y(x)$ 3 = 2x SA = - FM DX AV - 5 X X 20 A) = - FM DX AV + 5 5 X FX FX FX and 工一大学是工一大人工 we do so and of the sound of the 50 Tra= -FM2xAJ+ = 7/x FJX FJX + 2/KJ/x TRETE - FRUNK TAKELY CAN = x 2 3 /2, - = 1 2 x 2, = 2, (x x = x / x)

[4/6, TX] = i S(x) + to set (4/x) Sin F(P) e'lX THE SER MEDIEN (3) Piginin; [\$P(P), [7(4)]=(2-3) P(P-4) and ap = MGP) -imp I(P) on southy Come for 10 mg (60+50). 4 H= 13 x A-79 + 13 3 = 3 Wp (ap ap 20) op --) mee de extis asympty. Exto. as so so so = () x (4 T - 4 T)

Now Coster Z= 20,4; 2,4- m7p; 7 the sinety and has end by reco are I 三三元(本物) 2 (南) - m (有相) (利) Let UEM + Her Easter (本地) (本地) (東地) Whis a sporty 156 MUSTS i.e. JESJ(Z) So we had SU(Z) XU(I) Symetsy. exton the (42) samed in Primers Intoposite Un symphos we have. $\begin{cases} \begin{pmatrix} \phi_1 \\ \phi_2 \end{pmatrix} = i\sigma; \begin{pmatrix} \phi_2 \\ \phi_2 \end{pmatrix} \Rightarrow \begin{pmatrix} \phi_1 \\ \phi_2 \end{pmatrix} \Rightarrow \begin{pmatrix} \phi_2 \\ \phi_3 \end{pmatrix} \Rightarrow \begin{pmatrix} \phi_1 \\ \phi_2 \end{pmatrix} \Rightarrow \begin{pmatrix} \phi_1$ U) JE 22 St. d. + 22 St. pa = i 2 % = 5 (ab \$b + (-i) 2 4 (-id) \$ \$ 6 りQ=ilbx 中bでabでa一ちかんまでa

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Lacote grup isseed to its in a still [M, M, M, D] = 1 (9 18 M, J - 9 18 M, J - 9 18 M, J + 9 18 M, S) Let $L = \frac{1}{2} E^{ijk} M^{jk}$, $K^{i} = M^{0i}$ FCN d= (-12-6-13-4) \$ [4, 13] = 1 & iem (20), mp4] & 194 = = Eleveirt (- John met - Bernot - gar met == (+ Eile E) H . C4 _ E ! PO E M my _ E LEA E M M) - Ein4E FPH MMP) =-i E ma zilt mal = i zik Ekem en "码"到一些生工了一 4 K = - 4

+rass is -ioi = -i(Bi-joi) + TRAPETER TE 4-) e = 10.00 3/2 - 13.00 24 WENT BE SHOW 化至于《于壁中管》作》有 +T(1-16-5-1-185) = 4[5] - 2 of (1+100+ Po) + por ite at the property form 4 = 42 4 3 = V/8 = (V+V) V1-1V3 = (V+V) (V-V) = (V+V) (V-V) orbitable some. The

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\Xi(P) P' \alpha_1 p_2 & \Xi(P) \left(\frac{1}{2} + P' + \frac{1}{2} + \frac{1}{2}$$

= a(p) r u(p)

AND KING TONE OF THE STATE OF T All of the state o Control to Nove to the test of 0-4.7 (-2) 6-2 K-1 7 7 51 0 IF WE (E 0, 0-6) K= (0, 90) 15 CA (B) 10 10 70 101 01034 3

0000 \bigcirc 04 CLOX O $c = \frac{\varphi \circ \varphi \circ \varphi}{c \circ \omega}$ · save 141 0 0 0 (30 W) (3 100 11 0445 W 0 1 1 0000 13 (3 14) 0040

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= (年) (80 + 16) - (4-12) - (1-12)(4

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The Direct equation can be desimposed in two Left and right ext for spinors. In the very basis, $V_0 = \begin{pmatrix} 0 & J_{02} \\ J_{02} & 0 \end{pmatrix}$ $y^{-1} = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$ i.e. $y^{-1} = \begin{pmatrix} 0 & 0 \\ 0 & 0 \end{pmatrix}$. $(12-m)\gamma = 0$ $(i \nabla^{2} - m)(Y_{-}) = ((3333) - (-0.70) - m) + (3333) - (-0.70) - m) + (3333) - (-0.70) + (3333) + (-0.70) + (-0.$ 1272 - 6. VAR MY = 0 1 2 + 1 - 7 + 2 - M + = 0 what jugger (ey of notes generals Majorner Caroltion? The Province Coultin 1 0 0 (Hz) = (MZ) = (MZ) 5ite = 42 00 (2) H= +P 10つかと一川堂だるの "うちのサンナンをかみだる

16 S. A. To the out Lowert in St

To sec inco of X + conform, recult 4-3 (1-18-5-8-5) 4) 18-300/y. 50 2 - 0 1 1 2 5 + 3 0 4 $\frac{1}{2} = \frac{1}{2} = \frac{1}$ (3) 一个 (4) This indeed generals be 4.604. Thoses, Mを大きってのイン インニュをランド り」(まきの)テを(まの)サナーの変がよこの シーではいかのではっつかすかですこの 三元三十一0

The and Consists and there is easy force できながってのリー・ランクラインニーラングリ · - nen - = 1 2 2 2 2 = 12 - 15 3. and are become Other x=0. the mount of a sold from he oction S- MEX FOX LECTOR - YOUX) 三三三三三八二四定之之) (中元十)

what he the Symething in 土= で(カーm) サ 二十次十二次10万分之处一的空气一个空气 三文的外 发言的人是一种人发展一个大艺堂 (For Sprisma merbos (XP) = P*X=-2P) (12)=一日至知人人) The laginger has simplety con, (这样)=(这样) So for Kinger X, or BK = ix4 たっきメヤ2. in=-ixを2 Jr=-0人が出る。これで(34)+ixを(ix) 12年(12年) 12年) 12年)

 $(\chi_{\alpha}(x), \chi_{\delta}(x)) = \hat{\delta}_{\alpha\delta} \hat{\delta}(x-x)$ votection in the Directogram is we set X2=X1 Z=2(*xton2x+in(xto2x-xtozx)) 7200 = SER - E (WE (P) C, (P) E + VE (P) d (AP) e) Total Single Course Consider Villed Operation (x) = (x)2 - Up. 5 5 = 1 0 Z V Z = 10 Z Up. 5 5 7 -> V = -10 Z Up. 5 5 7 7 XOUS EN TO E (3 and E) x (in e) x afgreight

1 1 + 6! = 13, 5 x 6! + + 6 (23 - 27 - 1 + 13 - 20 0): - (+ 2 - 2 - 2) - (+ 2 - 2) x 666-2003: - (x 696-20-23)6!+ ** (** (** (** (**)) (* + f.e.e. 3/2x2 - (f.ex322x) (e1=Z) 300 x e, = 3 +! - +3 ne (x e)! = (3, 1) からにろっかとのメリナナとヨレラス!ナ X 6469122213!-(x(x10)=2013) (e!+x(c.0)=31=!= (126 3 -0, 0 + 1 (3) /21 + x + x(c.2):(52\$=23+3,5)=(2(6.2),22)s (x233) 46)+42(3,226):=(4x46)8 024 20:5:31 = 35 3-0000 - +3 = xp 7,521-240 6 X 33. - 4 6 + 2500 1607 (100-1008) North Fermin (20-011/4/20) は、サーXenslyんすからまでこと in LADWWKS 2005

AZ=(mカチ+上imでデカ)+cc JUZZ = M CIETOEX) F+M&CIETE-OX) + = in EF + = to = [5-1] 2 4) 02 X += n ~ (EF+5.96 3E*) + CC. = - \frac{1}{2} in \frac{1}{2} (\frac{1}{2} \cdot \chi - \chi - \chi \chi - \chi - \chi \ == == = (4 E + F / x) + c.e. where (02)=-03, 02(00) 02=00 ET F'X = NO S'E Et 5 mc = -2 (5-1) E* now, some the cost of the for the ZE BARRY - MAN - X STA - COM ZBX+CC A goneral notated and increations is メニシャンヤ、十次からのx、十月、千 + F 3wets + i of web; xtorx + c.e.]

To see signify very lawree O(F. 3w + 2 3d. 2h x 5x x + c.c.] 三三首子(多对)200十年高加强(日南水) ナニ るしん ((ミナモナモナロー)でつりるか) らろく 十分ではしますからりますをりてもこ Totally synathy x totally sitisficalle =0. 三一人(モラール計)上モラー大学の大学では多 = -i 2(E & F-x: 2w) / So this is a susy lossington. EX W(d) = 3 + n=1 ユニシャンタナンナラマスキデキナ(gFが上)かえの女人(c)

= Z-O, Strip + Xt = 10, x - 92 (4th)

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P 95 (0) = 95 (0) We wait (past p= 7, as) pbs p= nbs p. PYCHP= Sign I (U'(P) ar (F) Mae + 105 bs (F) V(p) el) In other words $U'(p) = \left(\frac{\sqrt{p} \cdot \sigma}{\sqrt{p} \cdot \sigma} \right) = \left(\frac{\sqrt{p} \cdot \sigma}{\sqrt{p} \cdot \sigma} \right) = \chi^{o} U(p)$ V(P) = (UPO 5) = (-UPO 5) = -8° V(P) 50 PY(A) P= (発音) = (Y° U(P) ay (-P) /2 - rno* bs(P) V(中) er : no* = na = York of Lep = (Chepar + bst-PIV(P)) eight = 1280 Y(-X) So pis appointed. Indeed, PFP=P++v°P=P+PV=(P+P)+v° = (no 8° +(-x)) + 8° = 12 + (=x) 10° and hence PEIP= post F(=) vo yo +(x) = ++(-x).

The probably
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 $a_{p}^{-5} = (a_{p}^{2}, -a_{p}^{1}), b_{p}^{-5} = (b_{p}^{2}, b_{p}^{1})$ Tap T= a=s, TbpT= b=s pluying in in Y(X) TYCEST TEST TEST (Suscept e 1 - 25 VERICE) = 8103 Y (= 4, X) イモT= てみた(火)てかり = (てそ(もと)て)なり = べき吹いいかっ = 干(モメ)(-いり) -> TATE TTTYTE F(-6,12) (-0183)(818) +(-6,12) = FY(-6,2) as expected.

Scalarfeld with a Source H= Hfree + S8x (-j(6x) 4x0) then bext = book + ison of (the price) = \$600 + 1 6 4 500 1 = 0 (R-1) (= 100) (= 100) (= 100) Freque is long enough such XXI who is suppose in 15 - 10 - 10 of off) ~ $\phi(x) = \phi(x) + i \int_{0}^{3} \frac{1}{2\pi i} \frac{1}{2\pi i} \left(3(e^{2} + 3\epsilon)e^{2}\right)$ 50 des= (3) = ((a)+= F(p)e + h.c) 6) + = (at - = J(P)) (ap+ 1/2Ep J(P)) > <0 7 0 5 - () - 15(7)] If as Interpret 1 July as the grabble density of SON = Soft is ISEN TONY those moss of Jat resonance with Popular weres to create particles.

why is this true? Notes for the second contra patients is Kolo) = 10 Kole entlos 2 = 1 (01 Texq (-50 1. Hm] 10) 2 = (0) Texp (1) 34x Xxx 4xxx 3 (0) [2 60 7019 (1) 564 x 560 4-63 (0) = 1+ 601 (A=3) (0) 1+ = = (34/34/3/4) (1/4) (0) TE += (x) += (x) (x) (x) + = (5) = 1- = (34/2) SCN (30) = (18/4) SCN = 36/3") = 1 - 2 Son 2 = 5 (-P) 5 (P) + 0 (19) So P(0)= 11-1/2 +0(5) =1-1+0(5) So Go 20 yours to 200 years) Here is 2 2 = 2° course to Part. adoitably the Emerging SE propultos gras asympty of 1! then 2017 18 18 为二十一至一分子子的三 巴一堂

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