Type =
$$\int V_{1} = \int V_{2} = \int V_{1} = \int V_{2} = \int V_{2}$$

Let x' = RO(r) & (hole 1x' | = 1x). Then were the exchant meanine obey S(x', y') = S(x, y), dx'dy' = dxdy, the path integrals my f, f_2 agric. Ex Choon C to be the x - axy, with f(x) := y. The nature a paths f(x) = y. The nature f(x) = y and f(x) = y. Since the action we are arbitroughy moment, S(x,1) depends only on |x|, so me how $2 \int_{0}^{\infty} dx |x| e^{-S(|x|)} = 2 \int_{0}^{\infty} dx e^{-S(v)}$ (v = |x| on y = 0) =7 2 [dr = $\frac{-5(r)}{2}$ = $\int_{\mathbb{R}^2} dx dy \delta(t) |\Delta_t(x)| e^{-5(x,y)}$ the factor of 2 or a "Gribo: anhymy": on howice of f from't wonter on dynaste. In put know us would be surface to the following if S(x) is involved the some true formation $x \mapsto F_0 \times with your about <math>\theta^a = 1,..., de G$ son-dynaste. then are red one green-france condition for (x) per parameter. Then $\Delta t := \det \left(\frac{\partial f''(Ro \times)'}{\partial \theta^b} \Big|_{\theta^a = 0} \right)$ or known on the Findi'ev-Popor Mermorant. We take our path retiral own the affect your, but include a factor of 121 IT 5(+a(=1). to Y-M. His means we have $\chi = \int D_{r} e^{-Syn} \int_{2}^{\infty} \int DA \delta[f] |\Delta_{f}(A)| e^{-Syn} [A]$ gauge (Showhue) grp is G, then $\delta[f] = \int_{x \in M} \int_{\alpha=1}^{\infty} \delta(f^{\alpha}(A(x)))$ confirms $f^{\alpha}(A(x)) = 0$ must hold at each $x \in M$. whor if the i, h sur gayt To make the frontable, white $\delta[f] = \int Dh \ e^{-a'} \int h_a(x) f^a(A(x))$ which holx) (a=1,..., Lu G)

on a Layronge multiplier. Similarly, recalling det (M) = John die e-EML to fermionier voniables (c, E), we write the F.P. det on Of = DE De emp (- | 1 x dy En(x) \frac{2 \lambda (\lambda'(\lambda'))}{2 \lambda (\lambda')} \rangle cb(\lambda') \rangle when $\chi^{2}(y)$ are our garge parameters, and A^{λ} is the garge transformed field. The formionic fields C/C one human on ghosts (autisposts. They are revious on M, volved & g. E.g. We efter pick Lorenz gange fa (A) := 2 Apa Under a grape frankform tion $A \mapsto A^{\lambda} = A + \nabla \lambda$ $(A^{\lambda})_{r}^{a} = A^{a}_{r} + \partial_{r} \lambda^{a} + f^{b}_{bc} A^{b}_{r} \lambda^{c}$ => det \frac{\gamma_{\lambda}^{\lambda}(\lambda^{\lambda}(\cdot))}{\gamma_{\lambda}^{\lambda}(\gamma)} = [\gamma_{\lambda}^{\lambda}\gamma_{\rambda}^{\lambda}(\cdot) + \frac{\lambda_{\rambda}^{\lambda}(\cdot)}{\gamma_{\rambda}^{\lambda}(\gamma)} = [\gamma_{\lambda}^{\lambda}\gamma_{\rambda}^{\lambda}(\cdot) + \frac{\lambda_{\rambda}^{\lambda}(\cdot)}{\gamma_{\rambda}^{\lambda}(\gamma)}] \gamma_{\rambda}^{\lambda}(\cdot) + \frac{\lambda_{\rambda}^{\lambda}(\cdot)}{\gamma_{\rambda}^{\lambda}(\gamma)} + \frac{\lambda_{\rambda}^{\lambda}(\cdot)}{\gamma_{\rambda}^{\lambda}(\cdot)} \gamma_{\rambda}^{\lambda}(\cdot) + \gamma_{\rambda}^{\rambda}(\cdot) + \gamma_{\rambda}^{\ramb 2) SqL = Jd x dy E(x) (Jc 2r + fix A r(x)) 5(d) (x-y) c3(y) $= \int_{M} dx \, \overline{c}_{n} \left(\nabla_{\Gamma} c \right)^{\alpha} \qquad \left(\nabla_{\Gamma} c \right)^{\alpha} = \partial_{\Gamma} c^{\alpha} + \int_{0}^{a} c \, dx \, dx^{\beta} c^{\alpha}$ this the whole YPI whey and is X= DA DE De Dh esp [- 1/gim] Fro Frod'x +i hed" A" x x + [ca (vc)" x x]