

-> When x = x(x), we have: S5 = \int d\(^1 x \int \frac{SR}{S\Phi} \) \int \\ \frac{FF}{S\Phi} \\ \frac{F}{S\Phi} \\ \frac{F} \\ \frac{F}{S\Phi} - Song Agnor + Se song = Jdtx x Jul or 1 - SL dp } = Jd4x x Jn J ~ 20 such that get to so such that get to so such that get to so 5.2 quantum conservation equation -) At a quarton level, the consumation equation 3,5 =0 is an operator inserted in correlation Junctions: < gn JM O, .. On> Intuitively, in could expect that any inntian of goth should render the correlation Junctions vanishing. But we have a him ordering inside that might interfere with In. -> Cowider (ô1-ôn> = SDQ O1-On eis/SDQ eis under SQ = XDQ Then, Soj = x 10, but any x-dependant transformation of the dields can be considered a field udefinition and absented by DQ HD DQ' (assuming invariant measure to no anomalies). 0 = [ Dy S[0, - ane's] = Sbop & Somman + - + Open son top - on iss eis = Sby 4 & Do. On + .. + o, ... x(xn) don + i So, .. on x(x) 3, 5 } cis = &(x1) < DO, (x1) - On(xn)> + - + &(xn) < O, (x1) ... DON(xn)>

+ i d(x. \(\alpha(x)) < On \(\begin{align\*} (x) . O(x.) ... O(xn) > = ) d4x, x(x) ( S(x-x1) < 20, (x1) - On (xn)> + ... + S(x-xn) (0, (x1) - 20, (xn)) (

We see that < 2, Th (x) O, (x1) - On (xn) > = ( &(x-x1) < Do, (x1) - On (xn) > + ... + ( S(x-xn) (0, (x) . Don(xn) >

+ ( < gut / (x) O (x,) - O (xu) > {