

extue 10 state 22 gange exercise consolumin. (over scales helds) (K+x) (7) = K(v) x(exp. (wa(v))) dv gauge egun variance implies the following: K + 9 x)(P) = p(9) (K + x) < 1 a function 1/2 -1/2, the function depends on he Coordinates that is defined by the gauge, home when we apply of gauge transform K value will change, but K ous plus a scalar value (K is a scalar), and a scalar field is independent of the gauge transformers in KEGY) = K(V) honce a scalar convolution is gauge eyen vervious if

the filler is gauge invalvant