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A FULL–EQUATION ESSAY WRITTEN ENTIRELY IN DISPLAYED MATH

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$ } $

[ [g,]=!d^{4}x,,R +!d^{4}x,,\_{}(g,) ]

[ =0 G\_{}=,T\_{} ]

[ ^{}T\_{}=0 ^{}G\_{}=0 ]

[ T\_{}^{;}=(+p),u\_{}u\_{}+p,g\_{} ]

[ +3H(+p)=0, H^{2}=- ]

[ p=w,w= a^{-3(1+w)} ]

[ w=-1 a(t)e^{Ht}, H= ]

[ *{}=-,g^{}*{}\_{}-V() ]

[ +3H+V’()=0, =-^{2} ]

[ *{}(k)=|*{k=aH} ]

[ +=0 ]

[ *{}*{‘} =(2){3}{3}(+’) \_{}(k) ]

[ *{}(k)=A*{}!()^{n\_{}-1}, n\_{}=1-6+2 ]

[ *{}=-W*{}{a}W{a} -B\_{}B^{} +{L}i!!!DL+{e}*{R}i!!!De*{R} +|D\_{}H|^{2}-V(H) ]

[ V(H)=-{2}|H|{2}+|H|^{4}, H=!

]

[ m\_{W}=gv, m\_{Z}=,v, m\_{h}=,v ]

[ *{}=-Y*{ij}{u}{Q}*{L}{i}u\_{R}{j} -Y*{ij}{d}{Q}*{L}{i}Hd\_{R}{j} -Y*{ij}^{e}{L}\_{L}{i}He\_{R}{j}+ ]

[ *{u}=Y^{u},* {d}=Y^{d}, \_{e}=Y^{e} ]

[ *{}=-G*{}{A}G{A} +{q}(i!!!D-m)q ]

[ {}J\_{}{5}=- G\_{}{A}{A}+2m{q}i^{5}q ]

[ *{}= G*{}{A}{A} ]

[ {}=+*{u}*{d} |{}|<10^{-10} ]

[ *{}= (*{}a)^{2} + G\_{}{A}{A} ]

[ m\_{a} ]

[ \_{a}h^{2}! ()^{7/6} ]

[ *{}+*{} +*{} + =*{} ]

[ ]