For the "small cylinder: (是(或)+是(空)+ E·方)~= -多(ExH)·33 V=Qd + Q=U Ess = d  $|E| = \frac{2}{\epsilon_0 s}$  $\int \vec{\nabla} \times \vec{H} = \xi_0 \int_{-\infty}^{\infty} \vec{E} = \xi_0 \int_{-\infty}^{\infty} \vec{D} \times \vec{D} = \xi_0$ EXH = - 8 5 V dV 2hs db - 95 (EXH) : 45 = 27 rhs ( 80 [ 2 vdv) = d [ Nr380 ] ([%(()])] = [[%(()]] = 是[然[[%]]] = 是[然[[%]]]] = 是[然[[%]]]] = 是[然[[%]]]] = 是[然[[%]]] 是[然[[%]]] 是[%] S、「物(()=)]か= S、「物((を)E·E)]か 一点[立名(小がら)(火)2]=サー「からをしから」 S. E. For = 0 because no current is flowing into
the "small cylinder" So we have:

So we have:

\[
\frac{1}{16 \int \frac{1}{16 When 16252 (4) (V) the equation becomes: 0/2t[#5202]= 2t(2)[Mr32002]+ 4/2t(3)[Mr5200] Assuming no charges on the plate at t=0 and that E= &s

for the "large cylinder," the \( \vec{E} \) field is 0 outside of the capacitor, -\( \vec{G} \) (\( \vec{E} \) x \( \vec{H} \)). \( \vec{J} \) = 0