Online class # 03

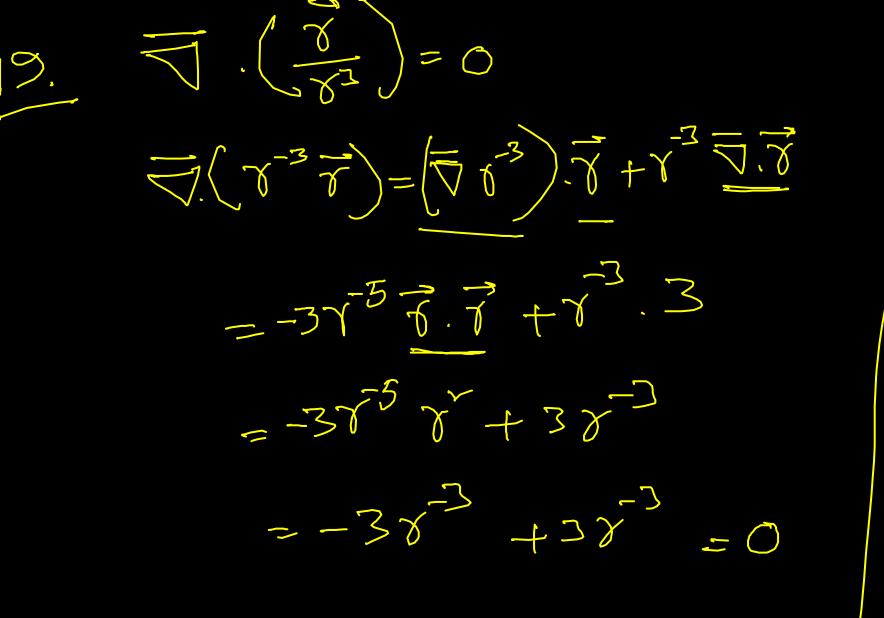
Date: 04/07/2021

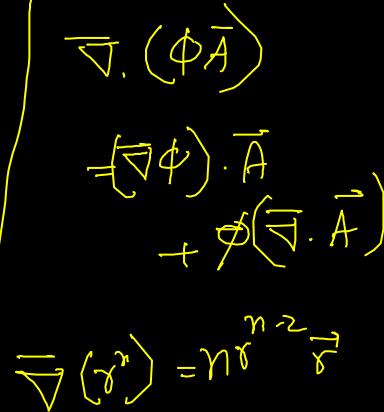
Chapter 04 (divergence, curl)

Time: 0930 – 1025

Video: https://youtu.be/tm_4CfiwOrw







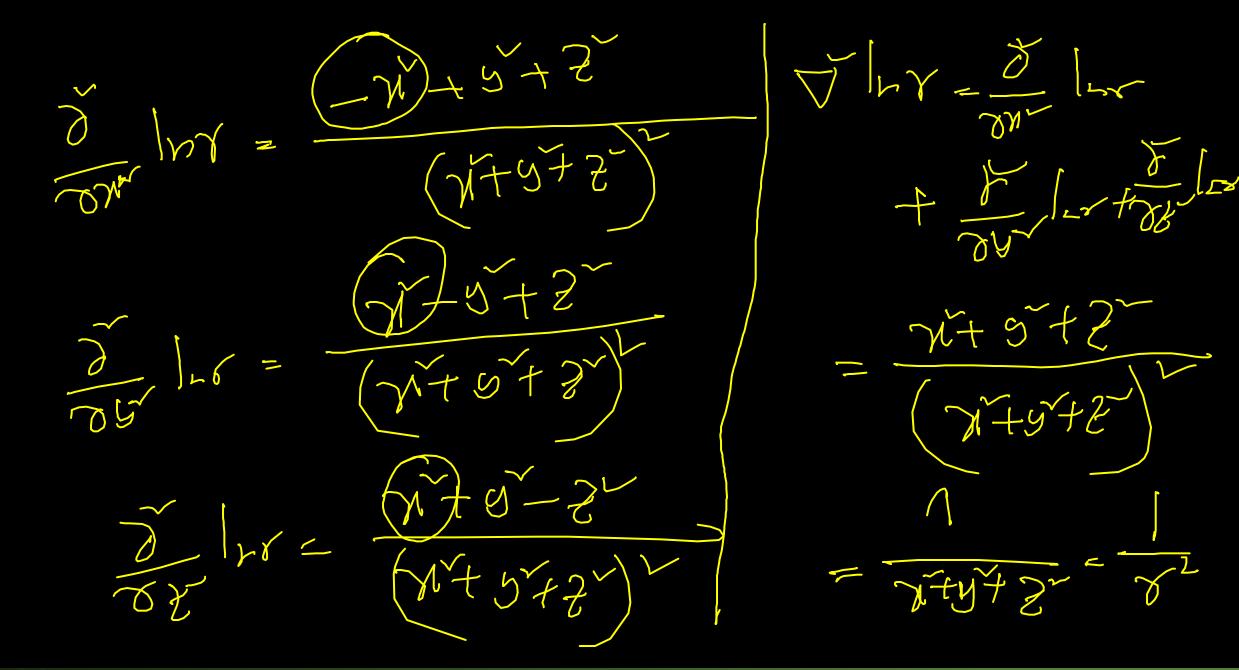


マェスじ+ ソジ+ そぼ $\nabla^{\vee}(|_{\mathcal{H}} \gamma) = ?$ $\mathcal{T} = \left| \mathcal{T} \right| = \left(\mathcal{T} + \mathcal{Y} + \mathcal{Z} \right)$ $[n\delta = [n(\chi + 5 + 2)]^{2}$ $\nabla (ln\gamma) = \nabla \cdot \nabla (ln\gamma)$ $= \frac{1}{2} \ln \left(\frac{\chi}{1+y} + \frac{\chi}{2} \right)$ $= \left(\frac{1}{100} + \frac{1}{100} +$ 122 $\nabla(l_{m}) = \overline{\nabla} \cdot \overline{\nabla}(l_{n})$ $\frac{\partial}{\partial r} \left(\frac{1}{2} + \frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) + \frac{$ b0



mr = fln (n+y+2) mr **S** ZX Jul C = 2 <u>y</u> -ナ SM No No] ~ NO ZN+0+0 MES F? イナダナ ?~







 $\sqrt[7]{\gamma} = \gamma(n+1)\gamma^{n-2}$ - contrad \frown h^{-2} -2 シート Y (Z) 4 $= \mathcal{N}(\mathcal{H}^2)$ = n(n-2+3)+377 J-2 m-2

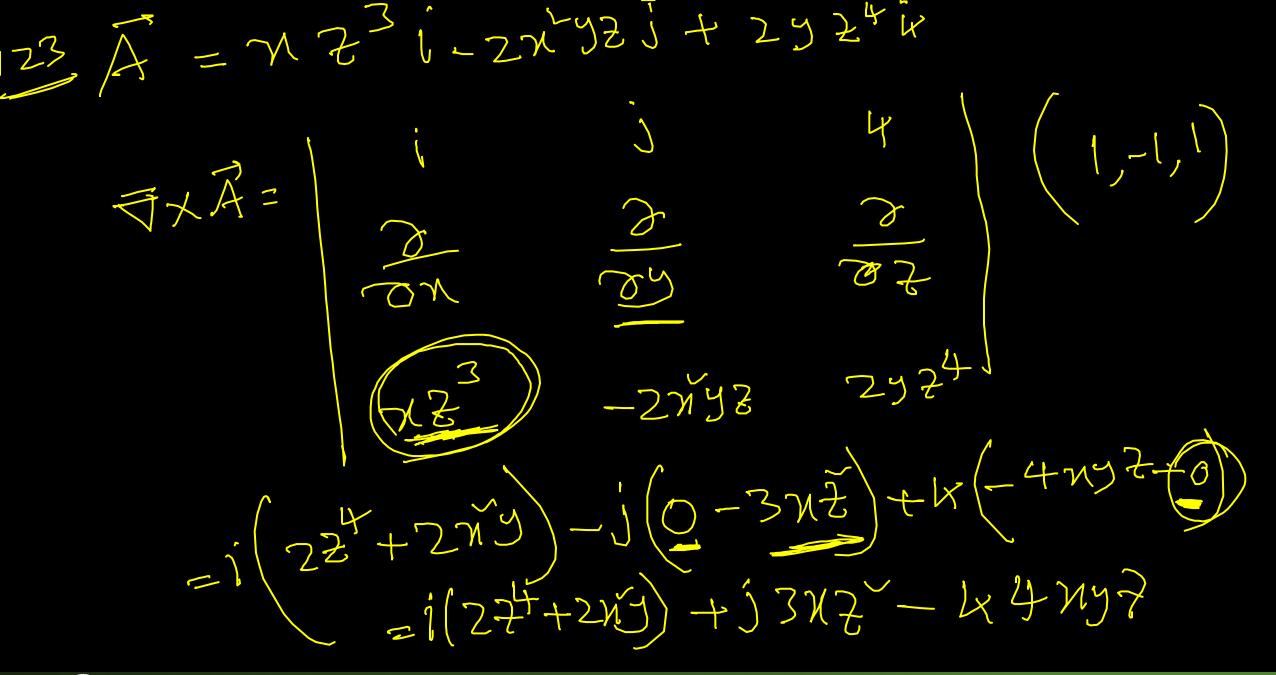


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A= iA1+JA2+4A2 LX X \mathcal{O} \square 02 <u>D</u>M AB A 1 137 7 A OA2 JAS 67 SM 50 X -+



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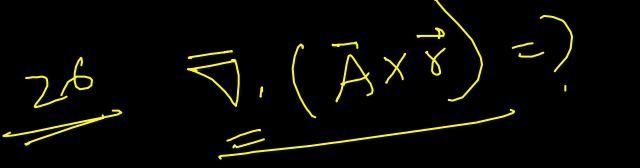




 $\nabla x A = 0 + 33 + 4 G$

 $\nabla (A + P) = \nabla (A + P) = \nabla (A + P)$ $\nabla (A + P) = (\nabla P) (A + P) (\nabla (A + P))$





 $74x^7 = 2(2Ax - yA_3)w$ $\dot{\mathcal{W}} - \dot{\mathcal{J}} \left(\frac{2A_1 - \mathcal{N}A_3}{2} \right)$ +K(YA1-76AZ)

JXA=0 W

A= Aji+Aj+Aj $\overline{\chi} = \chi (1 + \chi) (1$

 $f(x) = \frac{\partial}{\partial n} (ZAz - YAz)$

-4 $\frac{2}{75}$ $\left(2A_1 - \gamma A_3\right)$ $+\frac{\partial}{\partial z}(yA_{1}-\chi A_{2})$



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