## 第八次习题课补充各集

$$\int_{S_0^+}^{S_0^+} = \int_{S_0^-}^{S_0^+} (2^3 + ay^2) dxdy = \int_{S_0^+}^{S_0^+} ay^2 dxdy = \int_{S_0^+}^{A_0^+} ay^2 dxdy = \int_{S_0$$

$$\begin{cases} \cos(n, x)dl = \cos\beta d(=dy) \\ \cos(n, y)dl = -\cos\beta dl = -dx \end{cases}$$

9. 
$$scos(me, x)ds = cossds = dydz$$
  
 $scos(m, y)ds = cossds = dzdx$   
 $scos(m, z)ds = cosyds = dxdy$ 

$$\partial x r = \begin{pmatrix} i & j & k \\ a_1 & a_1 & a_3 \\ x & y & z \end{pmatrix}$$

$$\int_{E} (u \cdot \frac{\partial \ln r}{\partial n}) dl = -\frac{1}{\varepsilon} \int_{E} u dl = -2\pi u^{2} \cdot \varepsilon \cdot \frac{1}{\varepsilon}$$

$$= -2\pi u^{2}$$

かしつ、かから、故上式物の

W 是 u在TE上加升的值

(部)\*是然在举下上午均值