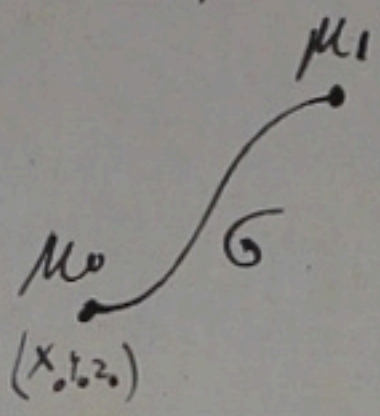


224
56
280
502
482

AL

Napoli addi

190



$$\begin{cases} \frac{\partial u}{\partial x} = a & \frac{\partial v}{\partial x} = h+z & \frac{\partial w}{\partial x} = g-q \\ \frac{\partial u}{\partial y} = h+z & \frac{\partial v}{\partial y} = b & \frac{\partial w}{\partial y} = f+p \\ \frac{\partial u}{\partial z} = g+q & \frac{\partial v}{\partial z} = f-p & \frac{\partial w}{\partial z} = c \end{cases}$$

N° Prof° Gen°
 N° di Posiz°
 N° di Part°

$$\frac{1}{2} \left(\frac{\partial u}{\partial y} + \frac{\partial v}{\partial x} \right) \rightarrow \frac{1}{2} \left(\frac{\partial v}{\partial x} - \frac{\partial u}{\partial y} \right)$$

$$u = u_0 + \int_{\sigma} (a dx + h dy + g dz) + \int_{\sigma} (q dz - z dy)$$

Risposta a
 del
 Div. N. di Part°

$$\begin{aligned} \int_{\sigma} (q dz - z dy) &= \int [z d(y_1 - y) - q d(z_1 - z)] = [z(y_1 - y) - q(z_1 - z)]_0^1 + \\ &\quad - \int [(y_1 - y) dz - (z_1 - z) dq] \\ &= q_0(z_1 - z_0) - z_0(y_1 - y_0) - \int [(y_1 - y) dz - (z_1 - z) dq] \end{aligned}$$

OGGETTO

$$u = u_0 + \int_{\sigma} (X dx + Y dy + Z dz) + q_0(z_1 - z_0) - z_0(y_1 - y_0)$$

$$X = a + (y_1 - y) \frac{\partial z}{\partial x} + (z_1 - z) \frac{\partial q}{\partial x}$$

a h s
 h b f
 s f c

$$\frac{\partial z}{\partial x} = \frac{1}{2} \frac{\partial}{\partial x} \left(\frac{\partial v}{\partial x} + \frac{\partial u}{\partial y} \right) - \frac{\partial a}{\partial y} = \frac{\partial h}{\partial x} - \frac{\partial a}{\partial y}$$

$$\frac{\partial q}{\partial x} = \frac{1}{2} \frac{\partial}{\partial x} \left(\frac{\partial u}{\partial z} + \frac{\partial w}{\partial x} \right) + \frac{\partial a}{\partial z} = \frac{\partial a}{\partial z} - \frac{\partial g}{\partial x}$$

$$u = u_0 + q_0(z_1 - z_0) - z_0(y_1 - y_0) + \int_{\sigma} (X dx + Y dy + Z dz)$$

$$\left. \begin{aligned} X &= a + \left(\frac{\partial a}{\partial y} - \frac{\partial h}{\partial x} \right) (y_1 - y) + \left(\frac{\partial a}{\partial z} - \frac{\partial g}{\partial x} \right) (z_1 - z) \\ Y &= h + \left(\frac{\partial h}{\partial y} - \frac{\partial b}{\partial x} \right) (y_1 - y) + \left(\frac{\partial h}{\partial z} - \frac{\partial f}{\partial x} \right) (z_1 - z) \\ Z &= g + \left(\frac{\partial g}{\partial y} - \frac{\partial f}{\partial x} \right) (y_1 - y) + \left(\frac{\partial g}{\partial z} - \frac{\partial c}{\partial x} \right) (z_1 - z) \end{aligned} \right\}$$

63 sul conto

+ fino al 15