

....., « », ,
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$$\begin{aligned}
 F_x &= \frac{\partial a}{\partial x}; & F_y &= \frac{\partial a}{\partial y}; & F_z &= \frac{\partial a}{\partial z}, \\
 \frac{\partial F_x}{\partial y} &= \frac{\partial F_y}{\partial x}, & \frac{\partial F_y}{\partial z} &= \frac{\partial F_z}{\partial y}, & \frac{\partial F_z}{\partial x} &= \frac{\partial F_x}{\partial z}.
 \end{aligned} \tag{1}$$

$$\frac{\partial b_{ij}}{\partial q_k} = \frac{\partial b_{ik}}{\partial q_j}, \tag{2}$$

$i = 1, \dots, l$ - , $j, k = 1, \dots, s$ -
 () , b_{ij}, b_{ik} -

(1) (2)

(sin, cos,

ln . .).