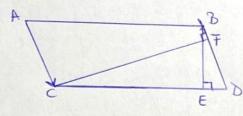
3.3. Determinati distantele dintre laturile paralele ale paralelogramului construit pe vectorii AB(6,0,2) 81 AC (1.5,2,1).



ABCD-paralelogram construit pe vectorii
AB 3i AC

Fie BE - distanta dintre AB si CD

Fie e7 - distanta dintre AC si BD

$$\overrightarrow{AB} \times \overrightarrow{AC} = \begin{vmatrix} i & j & k \\ 0 & 0 & 2 \\ \frac{3}{4} & 2 & 1 \end{vmatrix} = 0 + 12k + 3j - 0 - 4i - 6j = -4i - 3j + 12k$$

$$\frac{1}{AC} = \frac{3}{2} \left[+ 2j + k + 3 \right] + \frac{1}{AC} \left[1 + \sqrt{\frac{3}{4}} \right]^{2} + 2^{2} + 1^{2} = \sqrt{\frac{9}{4}} + \frac{4}{4} + \frac{4}{4} = \sqrt{\frac{29}{4}} = \sqrt$$