

$x_{ob} = 130$ $x_{oa} = 15$
 $y_{ob} = 70$ $y_{oa} = 15$
 $z_{ob} = 60$ $z_{oa} = 20$

$$\begin{aligned}
 VG_{OB} &= \sqrt{x^2 + y^2 + z^2} \\
 &= \sqrt{130^2 + 70^2 + 60^2} \\
 &= 159,37
 \end{aligned}$$

$$VG_{AB} = \sqrt{[(x_{ob} - x_{oa})^2 + (y_{ob} - y_{oa})^2 + (z_{ob} - z_{oa})^2]}$$

$$VG_{AB} = 133,6$$

$$J = \text{TAN}^{-1} \left[\frac{\vec{r}_y}{\vec{r}_x} \right]$$

