

# Vektorrotation Formel (2.5)

geg: Punkt P

$$x = + 4\ 199\ 057,281\text{m}$$

$$y = + 824\ 302,201\text{m}$$

$$z = + 4\ 714\ 541,803\text{m}$$

Rotationswinkel :  $w_x = + 5,93^\circ$

$$w_y = - 7,18^\circ$$

$$w_z = + 20,31^\circ$$

ges:  $x', y', z'$

$$r' = \begin{pmatrix} x' \\ y' \\ z' \end{pmatrix} = \begin{pmatrix} + 4\ 900\ 443,531\text{m} \\ - 420\ 092,185\text{m} \\ + 4\ 043\ 221,034\text{m} \end{pmatrix}$$

Betrag prüfen!