$$\begin{array}{c|c} F_C^y \\ \hline T_C^z \\ \hline \ddot{v}_P \\ \hline \ddot{\alpha}_P \end{array} \qquad \begin{array}{c|c} \ddot{v}_C \\ \hline \ddot{\alpha}_C \\ \hline F_P^y \\ \hline T_P^z \end{array}$$