$$
\begin{aligned}
&(u, v, w, \phi, \theta) \\
&= (u'(x, y, t)U(z), v'(x, y, t)V(z), w'(x, y, t)W(z), \phi'(x, y, t)\Phi(z), \theta'(x, y, z)\Theta(z))
\end{aligned}
$$