



$$\begin{aligned}
 u_k = & 0.8231 u_{k-1} - 0.1889 u_{k-2} \\
 & + 1.511 Vr_k - 1.551 Vr_{k-1} + 0.3757 Vr_{k-2} \\
 & - 0.1581 Vs_{k-1} + 0.1581 Vs_{k-2}
 \end{aligned}$$