$$s_{\mathrm{P},1} + j\omega_{\mathrm{P},1}$$

$$s_{\mathrm{P},2} = \delta_{\mathrm{P},2}$$

$$s_{\mathrm{P},2} + j\omega_{\mathrm{P},1}$$

$$s_{\mathrm{N},1} = \delta_{\mathrm{N},1}$$

$$s_{\mathrm{N},1} = \delta_{\mathrm{N},1}$$

$$s_{\mathrm{P},1} + j\omega_{\mathrm{P},1}$$