



Figure 99: Definition of the parameters for the cavity axes and mirror alignment

$$\begin{pmatrix} x_1 \\ \theta_1 \\ x_2 \\ \theta_2 \\ x_3 \\ \theta_3 \\ x_4 \\ \theta_4 \end{pmatrix} = \begin{pmatrix} 0.893 & 1.107 & 1.323 & 1.246 \\ 0.759 & -0.759 & -0.271 & 0.271 \\ 1.107 & 0.893 & 1.246 & 1.323 \\ 0.759 & 1.241 & -0.271 & 0.271 \\ 1.323 & 1.246 & 1.169 & 1.400 \\ -0.271 & 0.271 & 0.819 & -0.819 \\ 1.246 & 1.323 & 1.400 & 1.169 \\ -1.241 & -0.759 & -0.271 & 0.271 \end{pmatrix} \begin{pmatrix} \alpha \\ \beta \\ \gamma \\ \delta \end{pmatrix}$$