



FIGURE 3.5: Link frames are attached so that frame $\{i\}$ is attached rigidly to link i .

Summary of the link parameters in terms of the link frames

If the link frames have been attached to the links according to our convention, the following definitions of the link parameters are valid:

a_i = the distance from \hat{Z}_i to \hat{Z}_{i+1} measured along \hat{X}_i ;

α_i = the angle from \hat{Z}_i to \hat{Z}_{i+1} measured about \hat{X}_i ;

d_i = the distance from \hat{X}_{i-1} to \hat{X}_i measured along \hat{Z}_i ; and

θ_i = the angle from \hat{X}_{i-1} to \hat{X}_i measured about \hat{Z}_i .