



BLUE LINES = ACTUAL STRUCTURE

RED LINES = MODEL REPRESENTATION

WHEN THE JOINT ROTATES :

- IF JOINT IS FULLY RIGID , THEN  $\alpha_0 = \alpha_1 = 90^\circ$

- IF JOINT IS NOT FULLY RIGID  $\alpha_0 = 90^\circ$

$\alpha_1 \neq 90^\circ$

-  $\alpha_2 \neq 90^\circ$  IN BOTH CONDITION