

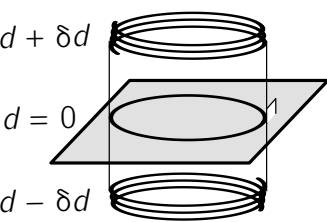
# GEOMETRIC INTERPRETATIONS



## Scenario 1

$$d = 0$$

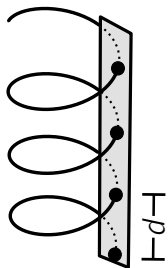
$\Rightarrow$  planar ( $\perp$ )



## Scenario 2

$$\theta = e\pi$$

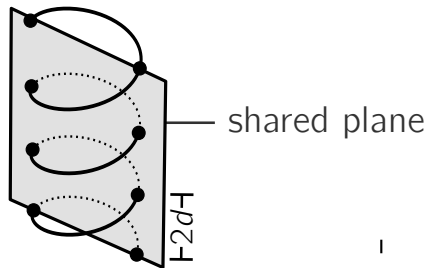
$\Rightarrow$  linear ( $\parallel$ )



## Scenario 3

$$\theta = o\pi$$

$\Rightarrow$  planar ( $\parallel$ )



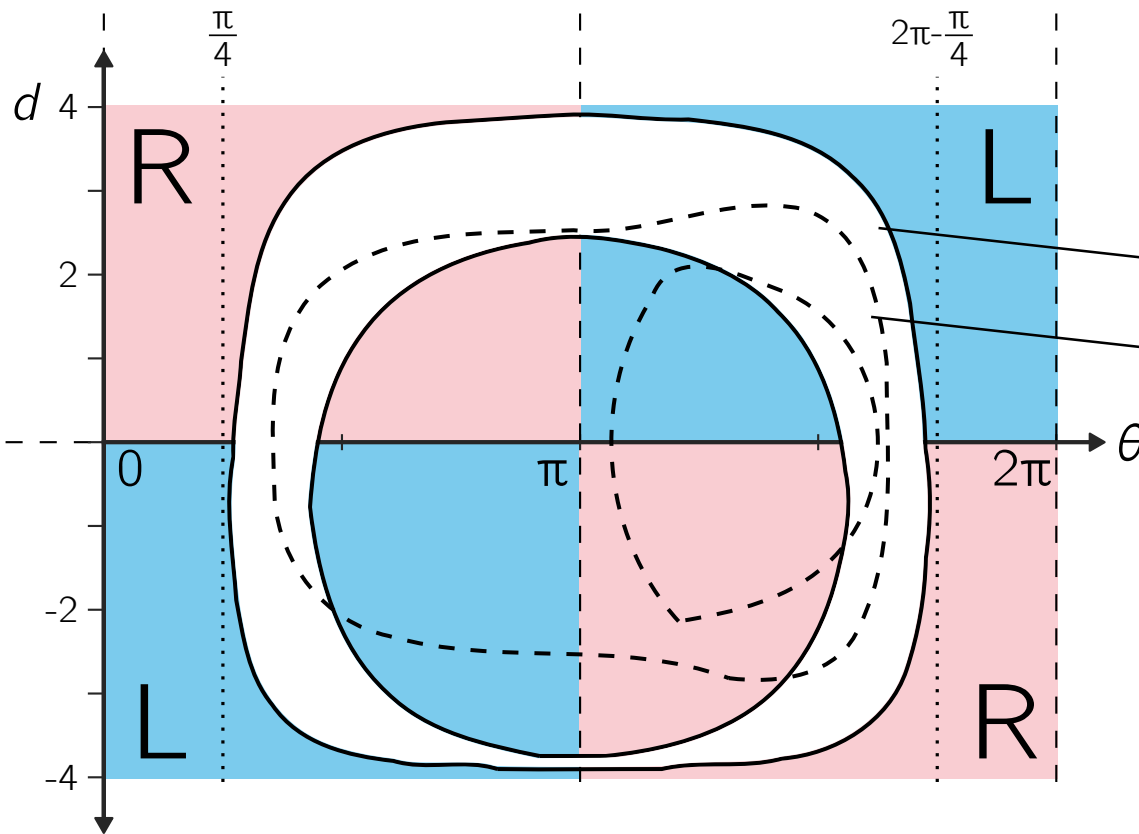
## Key:

$o$  = odd integer

$e$  = even integer

$\perp$ : perpendicular to helical axis

$\parallel$ : parallel to helical axis



all possible *trans* peptides  
(enclosed by solid contours)

all possible *cis* peptides  
(enclosed by dashed contours)