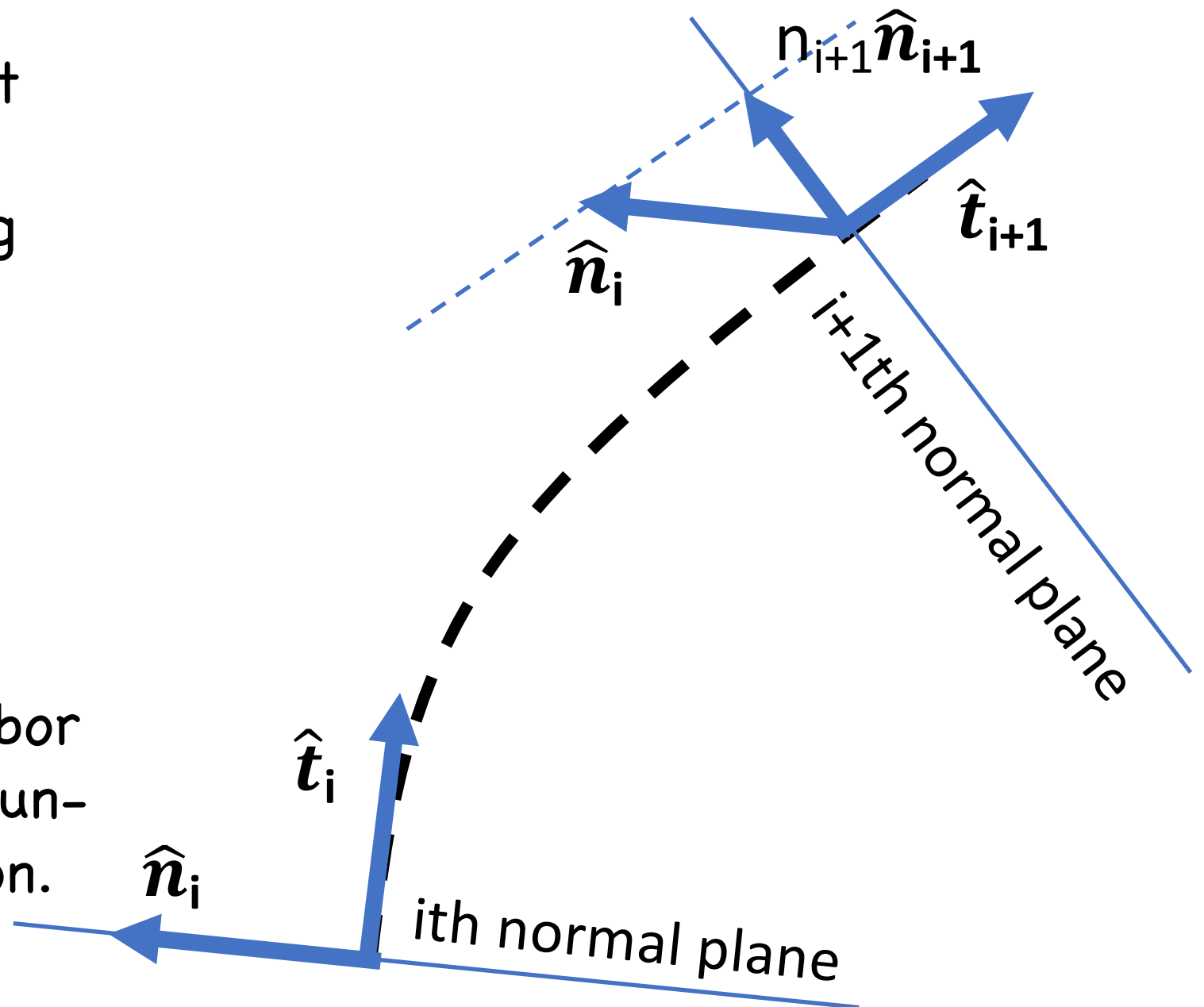# New Twist

- First: define what is un-twist

  - using an un-spin co-moving frame.

    - e_x: $\mathbf{t} \cdot \partial \mathbf{n} / \partial s = 0$

    - e_y: $\mathbf{n}' = \mathbf{n} \times \mathbf{t}$

- The interaction of the neighbor field lines on the co-moving un-spin frame define the rotation.

$n_{i+1} \widehat{\boldsymbol{n}}_{i+1}$

$\widehat{\boldsymbol{t}}_{i+1}$

$\widehat{\boldsymbol{n}}_i$

$i+1$th normal plane

$\widehat{\boldsymbol{t}}_i$

$\widehat{\boldsymbol{n}}_i$

ith normal plane

Malanushenko & Longcope (2009)

New Twist example: from TD model