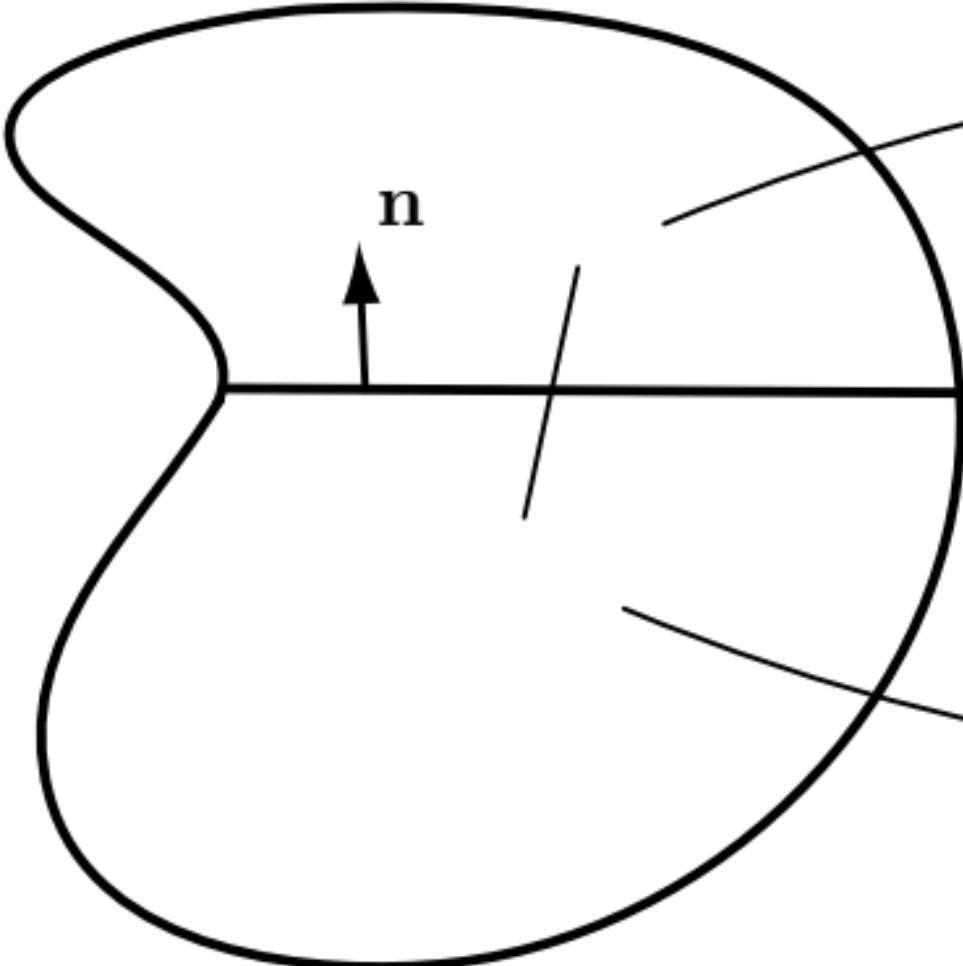
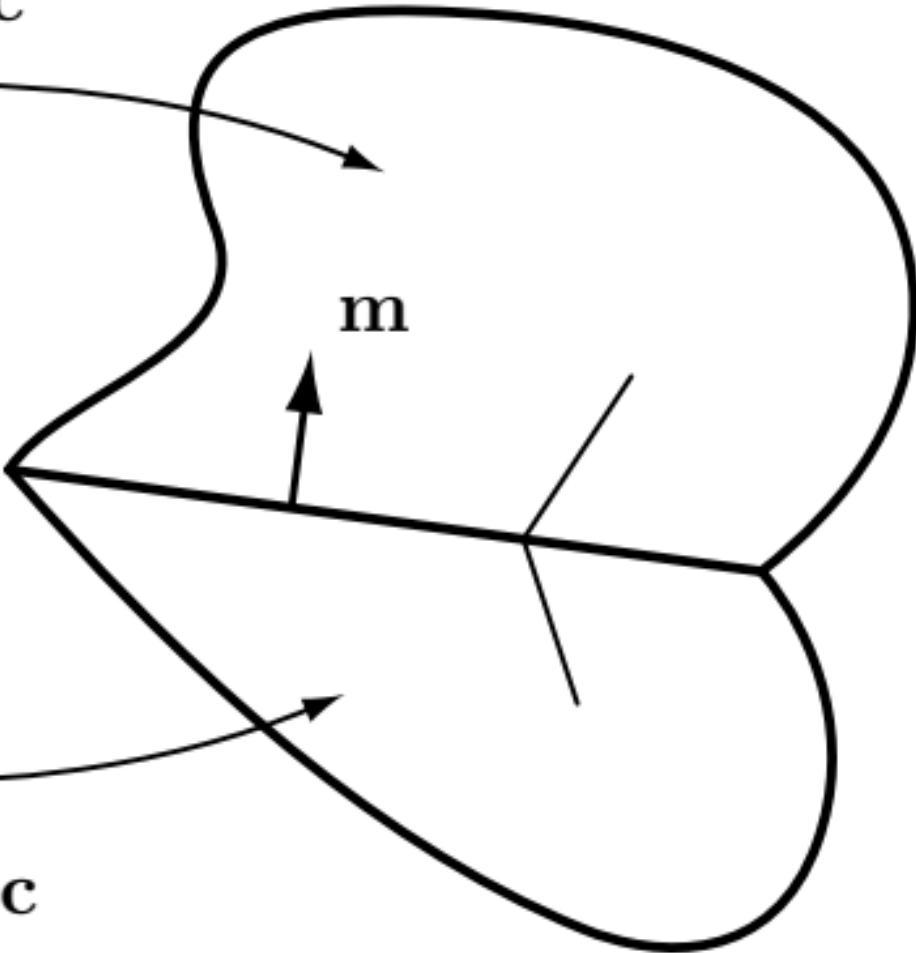
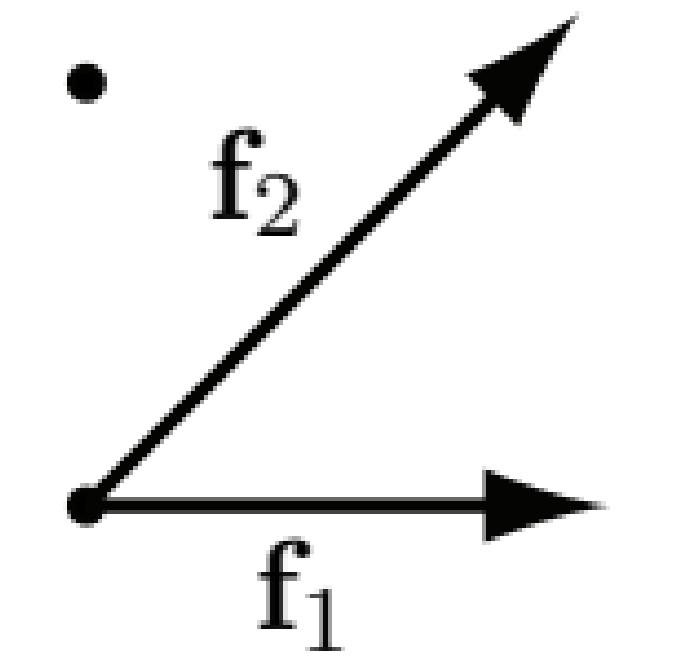
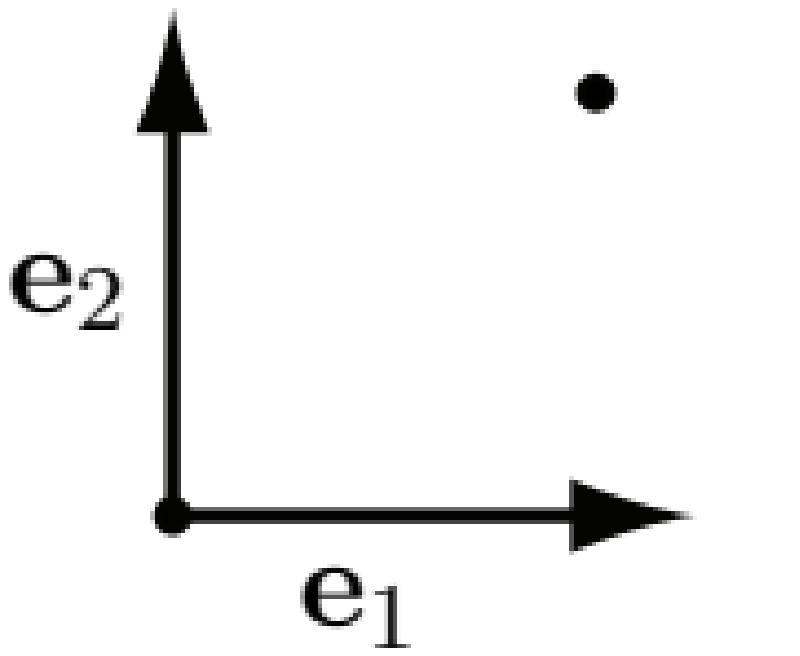


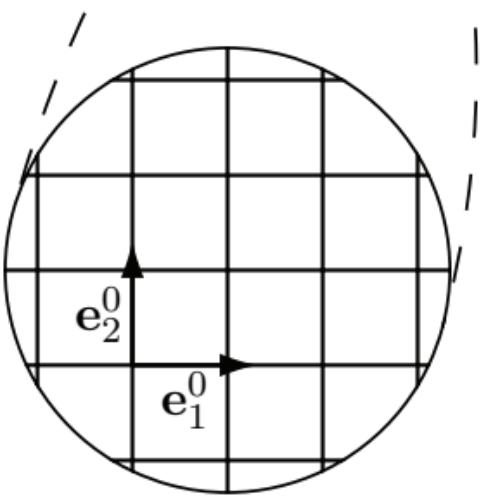
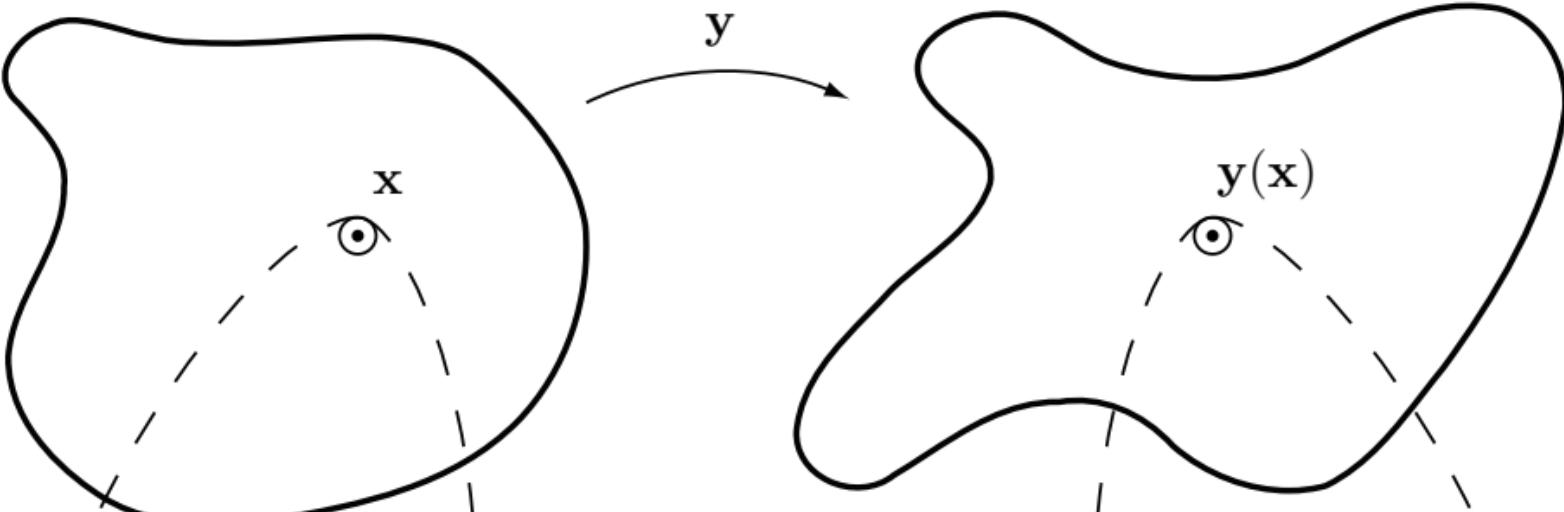
$$y = Fx + c$$



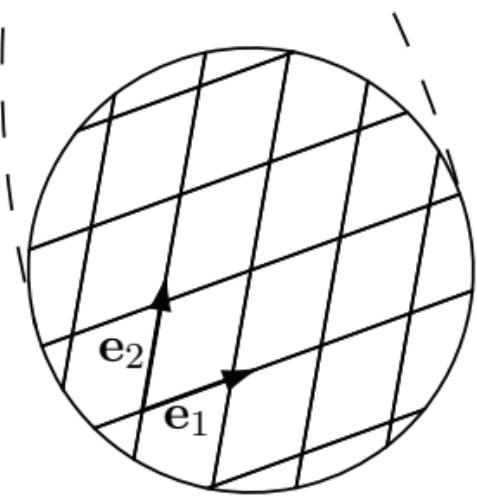
$$y = Gx + c$$



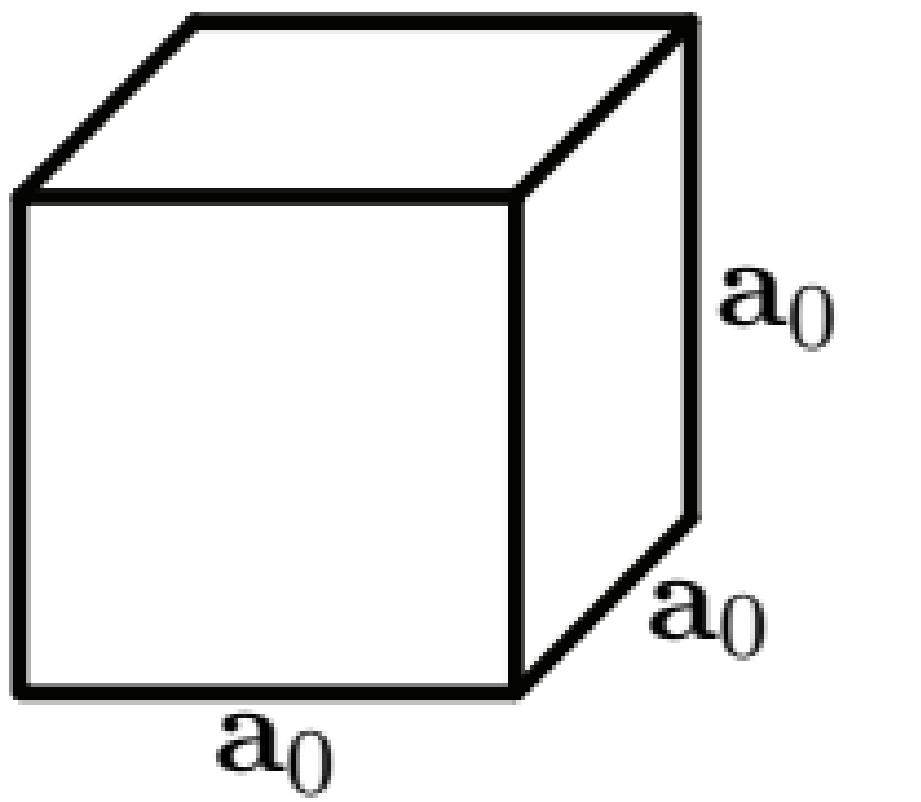




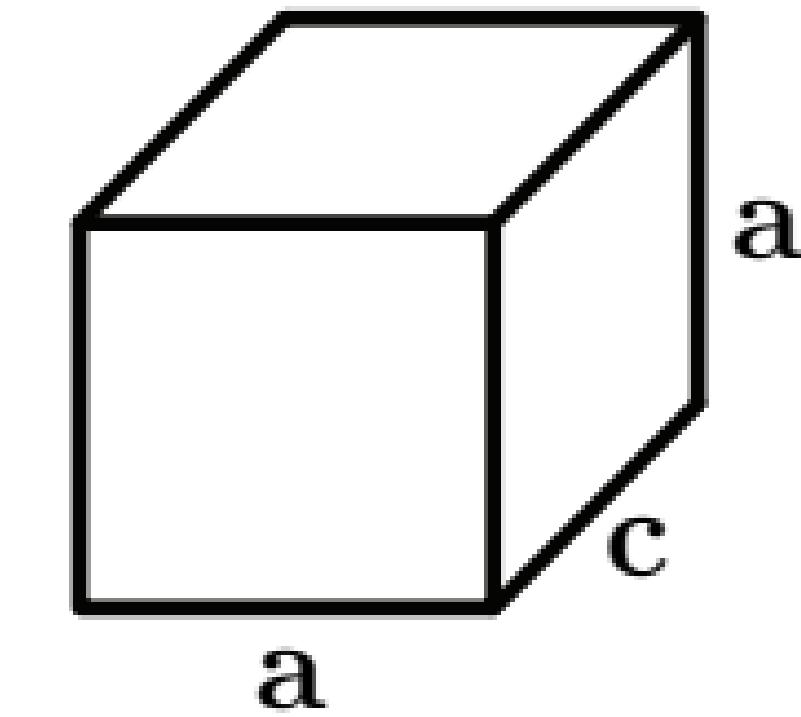
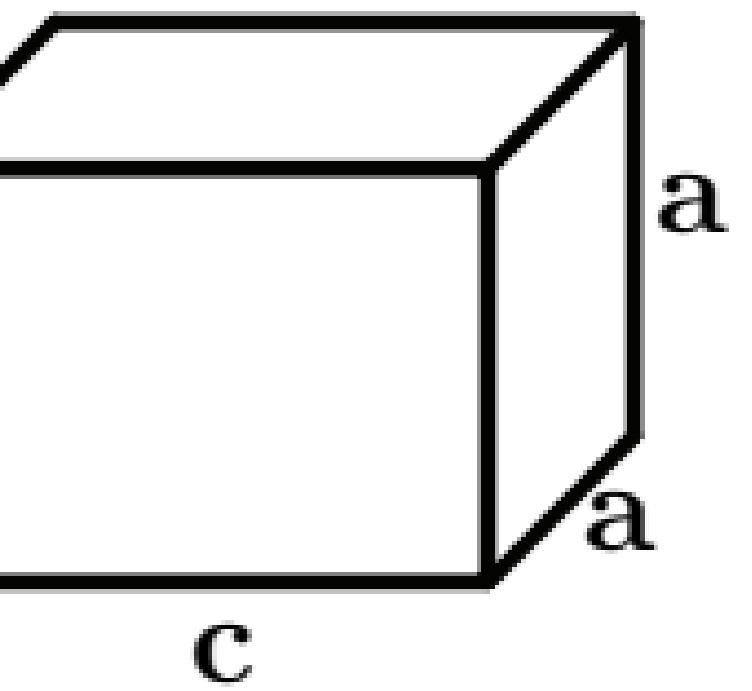
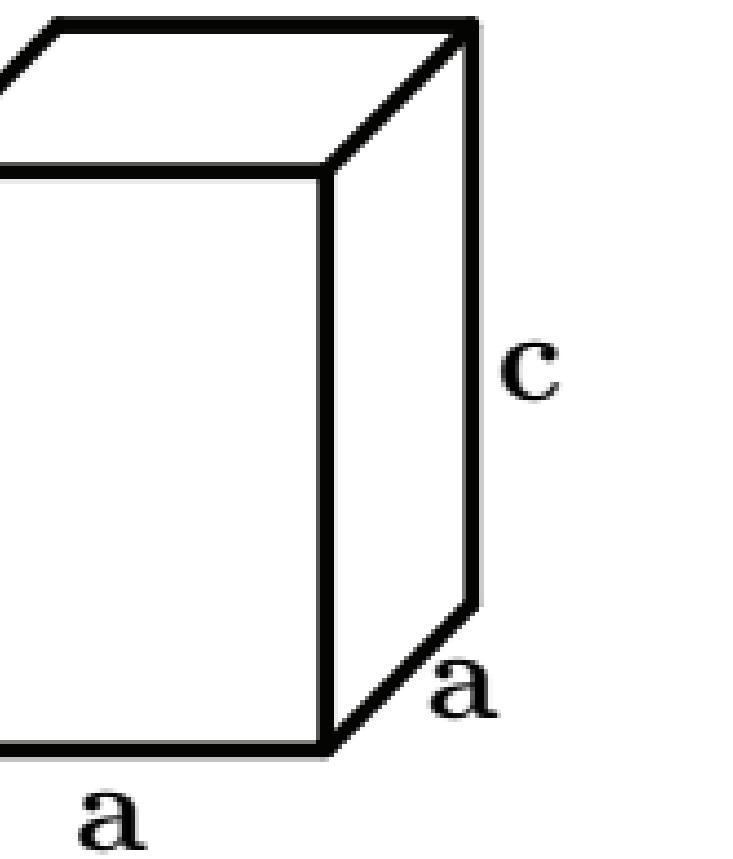
$$\begin{aligned} \mathbf{e}_1 &= \mathbf{F}\mathbf{e}_1^0 \\ \mathbf{e}_2 &= \mathbf{F}\mathbf{e}_2^0 \\ \mathbf{e}_3 &= \mathbf{F}\mathbf{e}_3^0 \\ \mathbf{F}(\mathbf{x}) &= \nabla y(\mathbf{x}) \end{aligned}$$

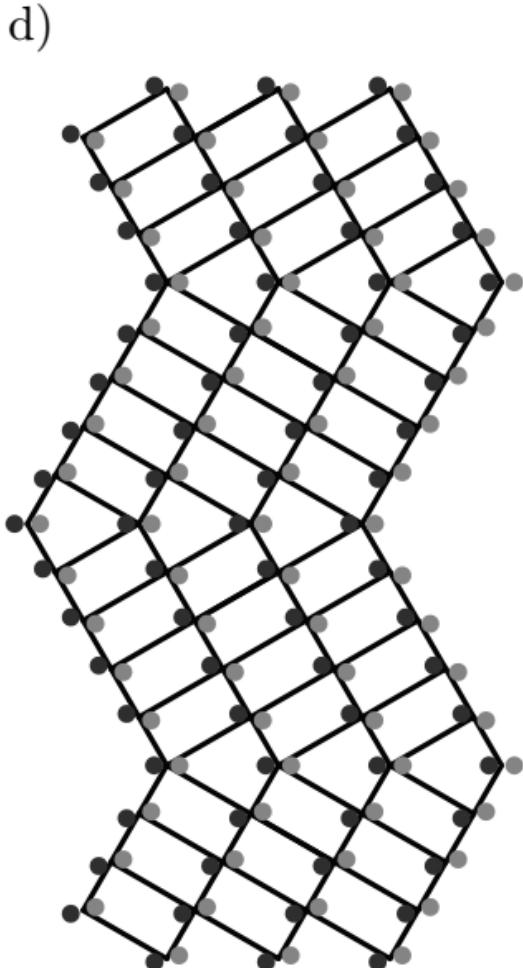
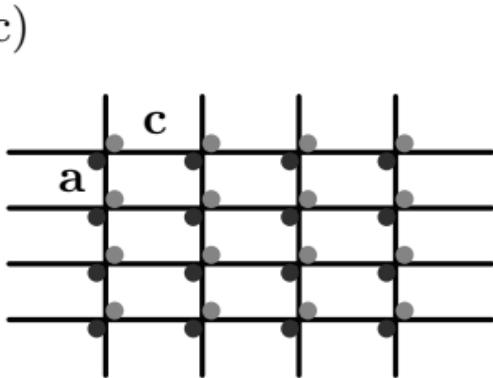
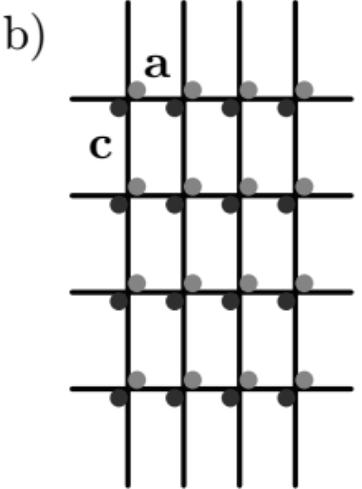
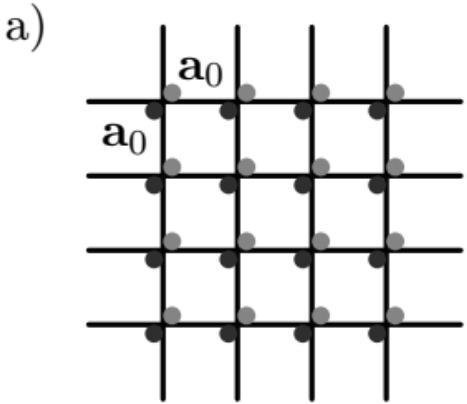


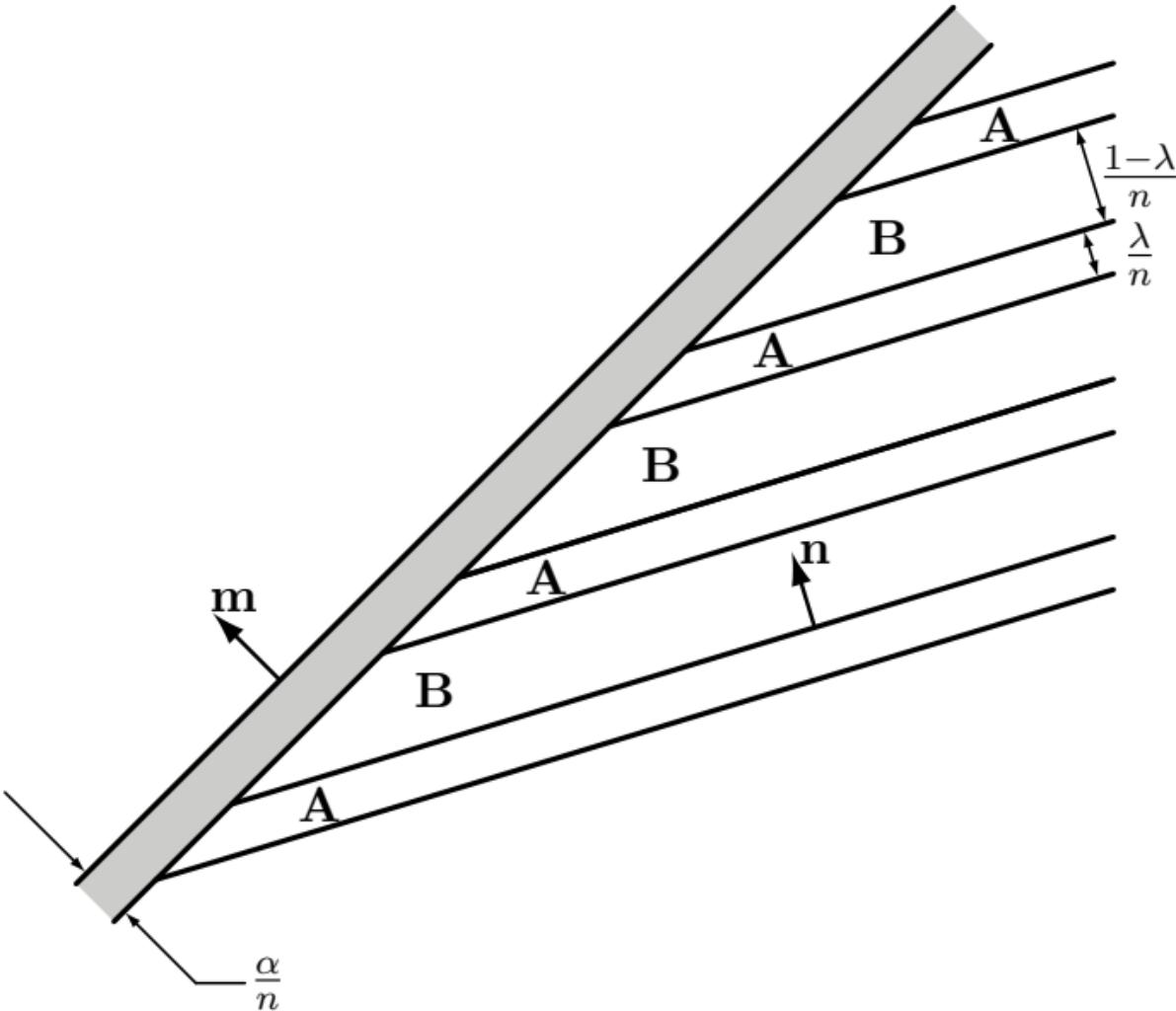
Austenite



Martensite



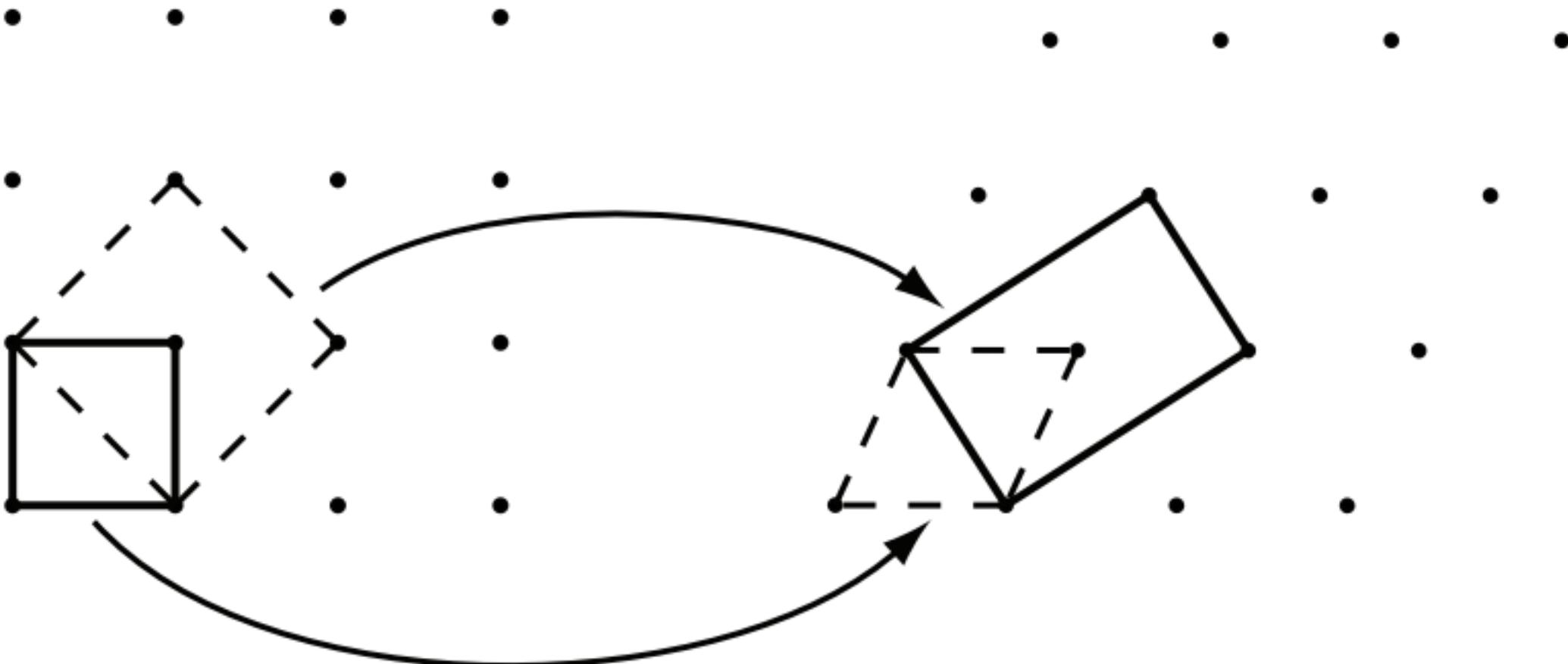




0.5 mm

Austenite

Martensite



Face A

Face B

Face C

Face D

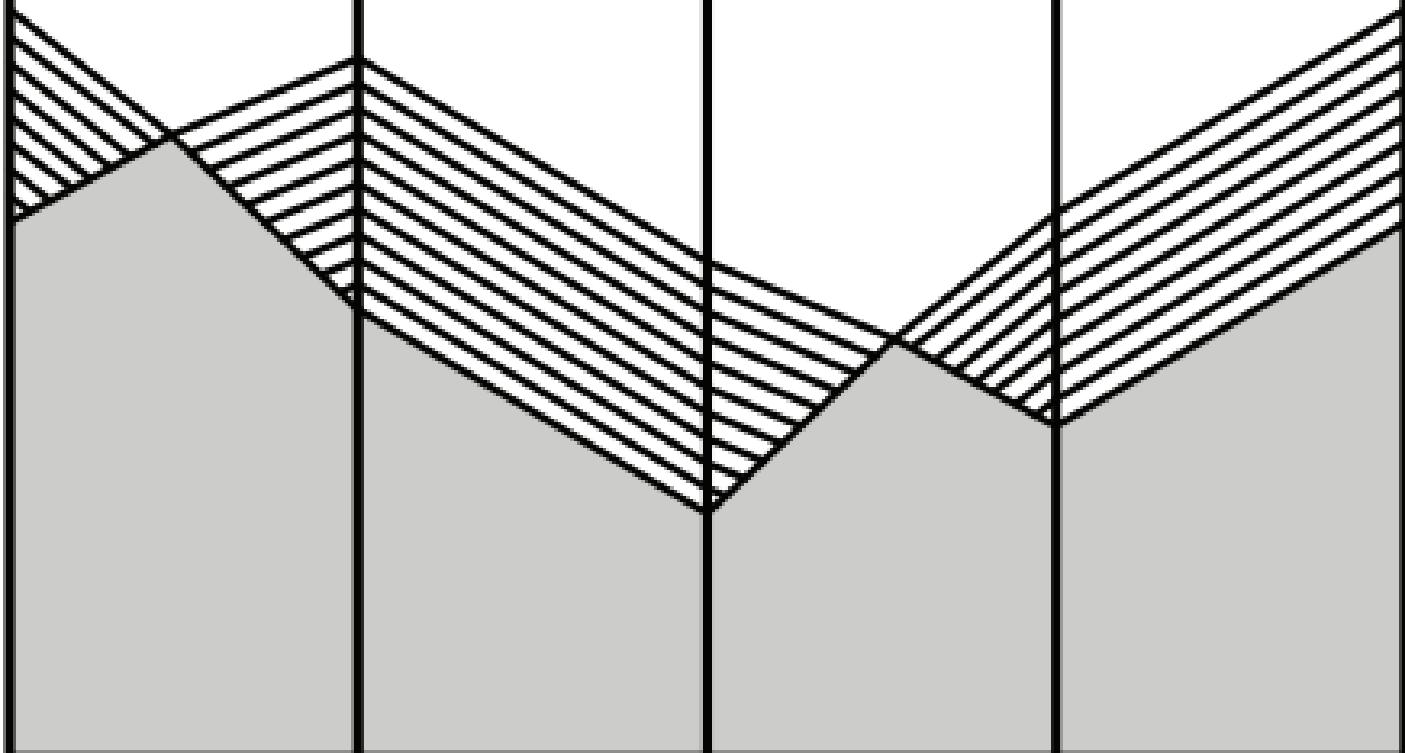
Lambda

Face A

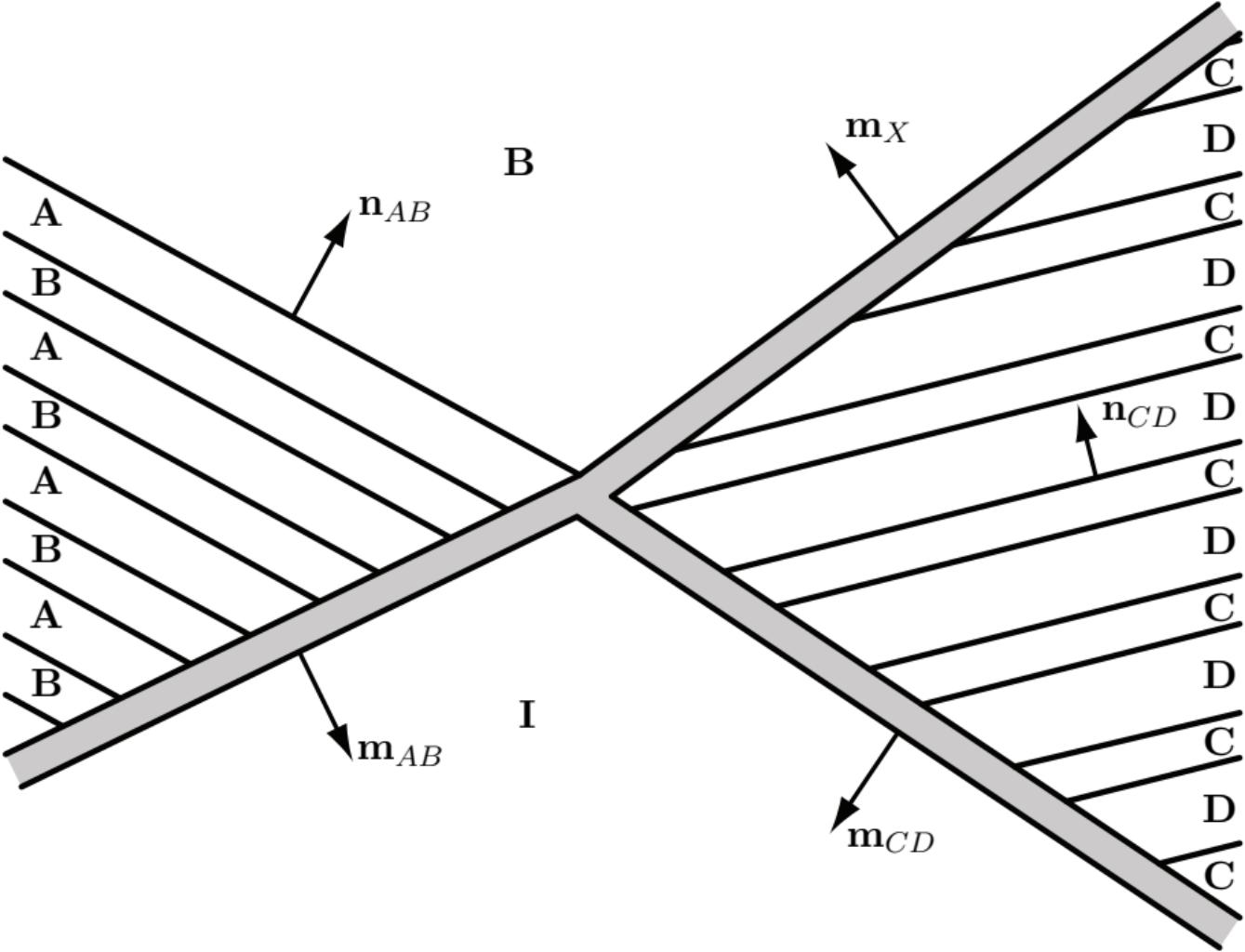
Face B

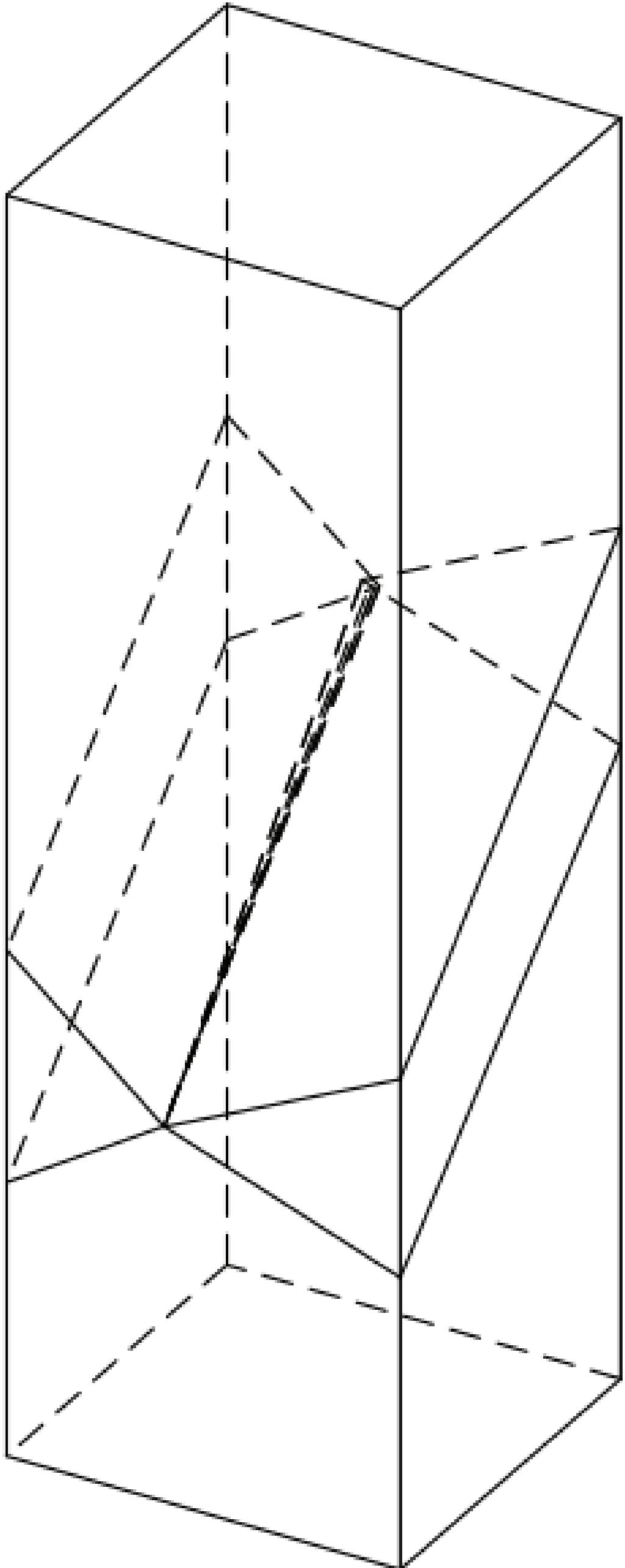
Face C

Face D

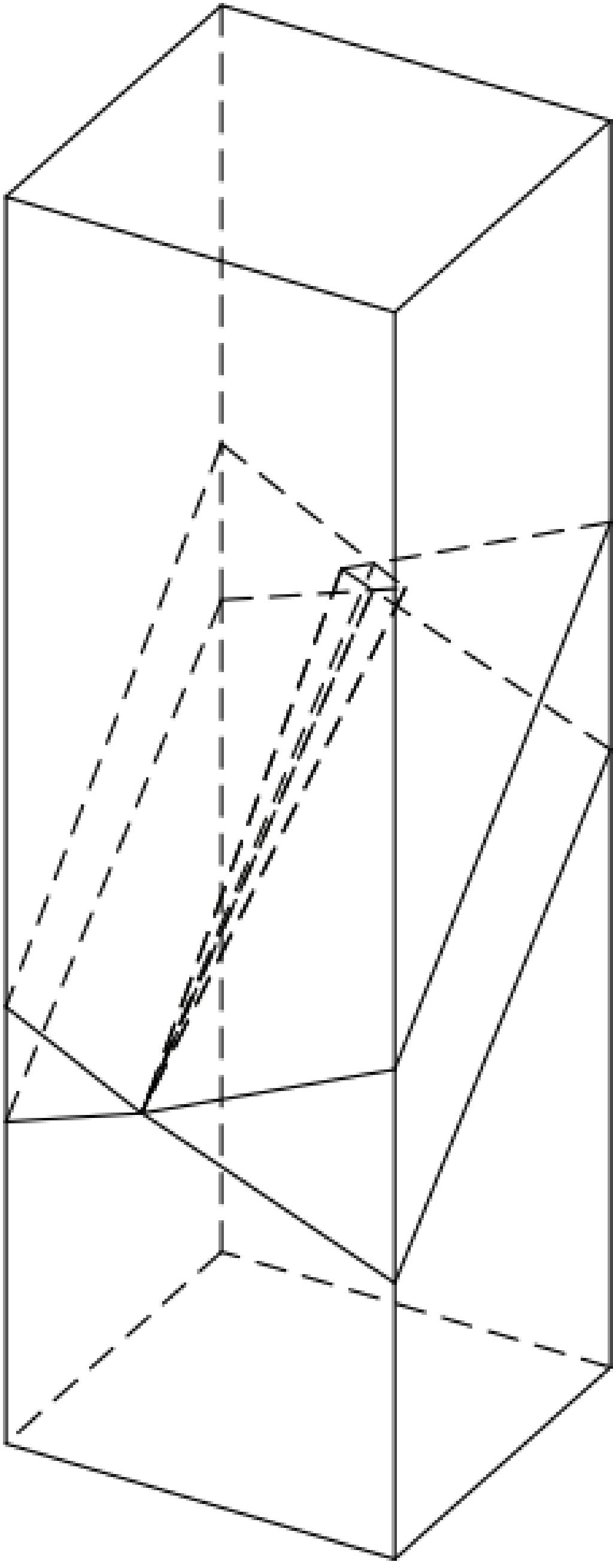


X

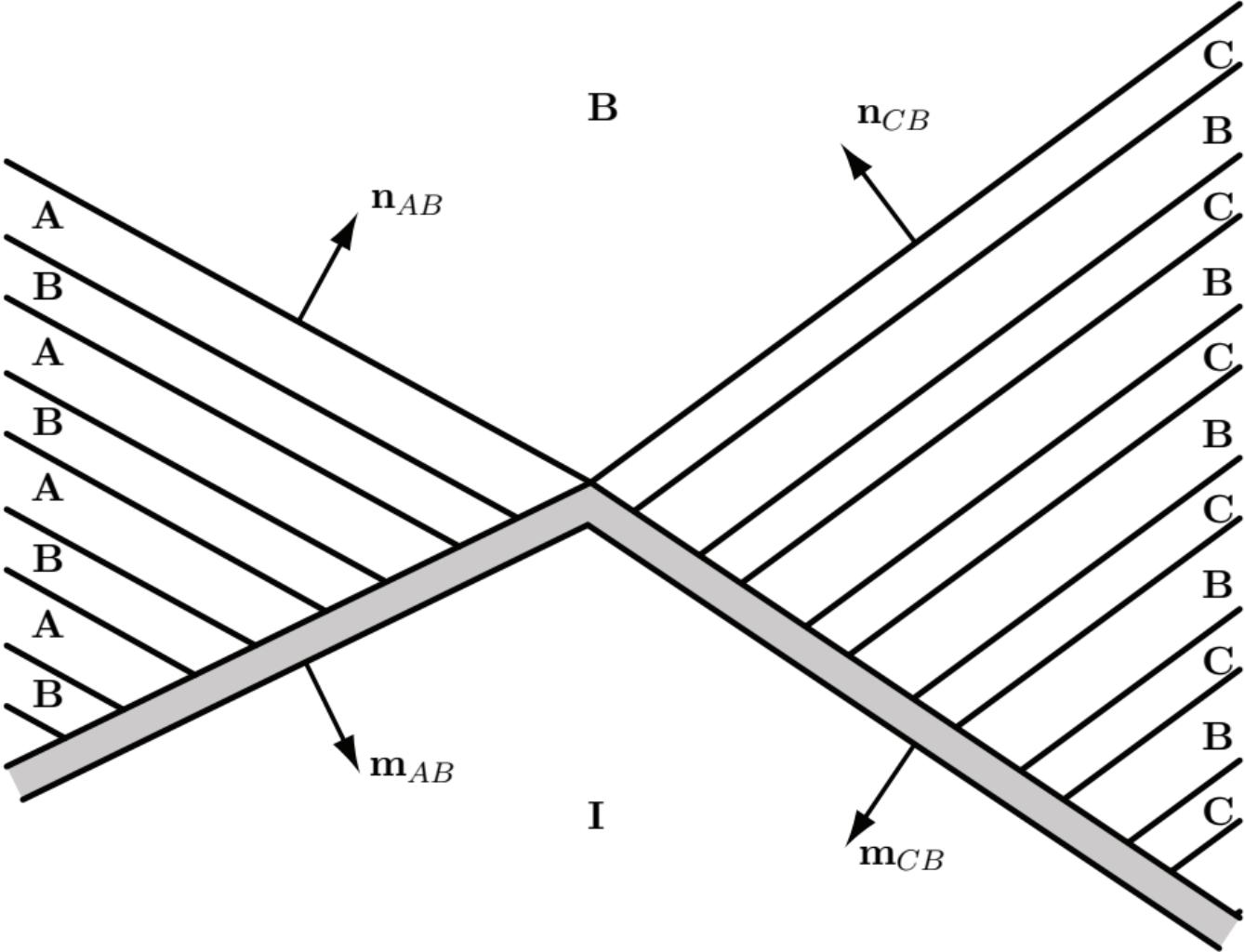


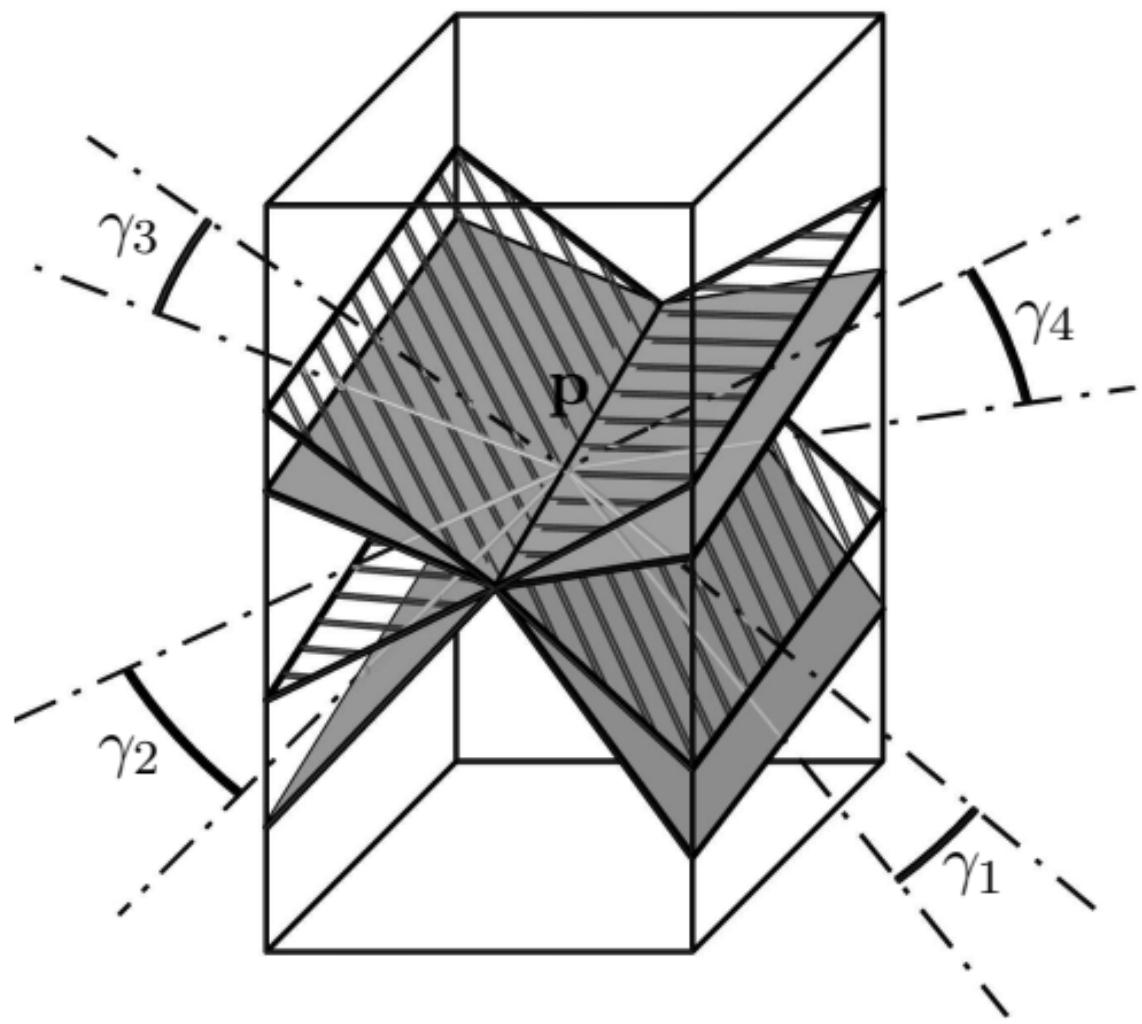
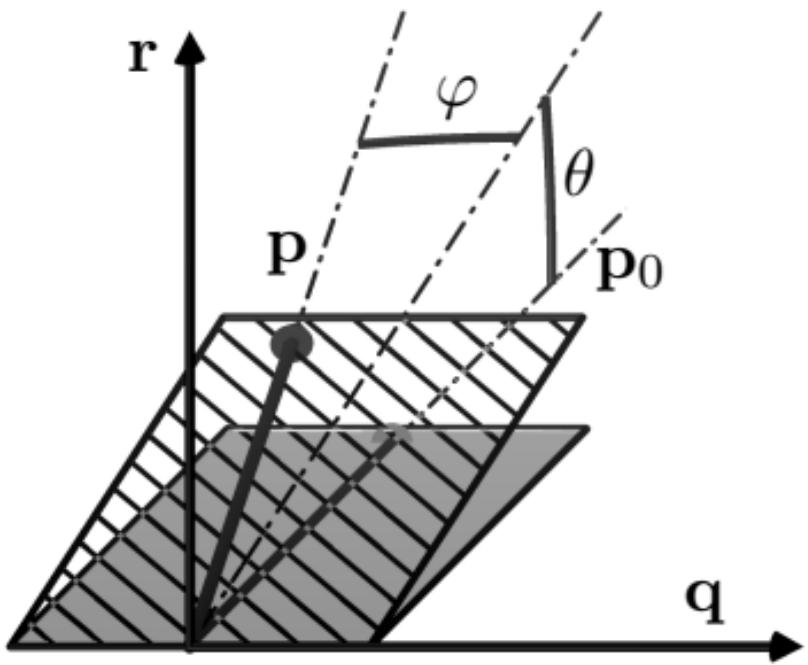


Lambda

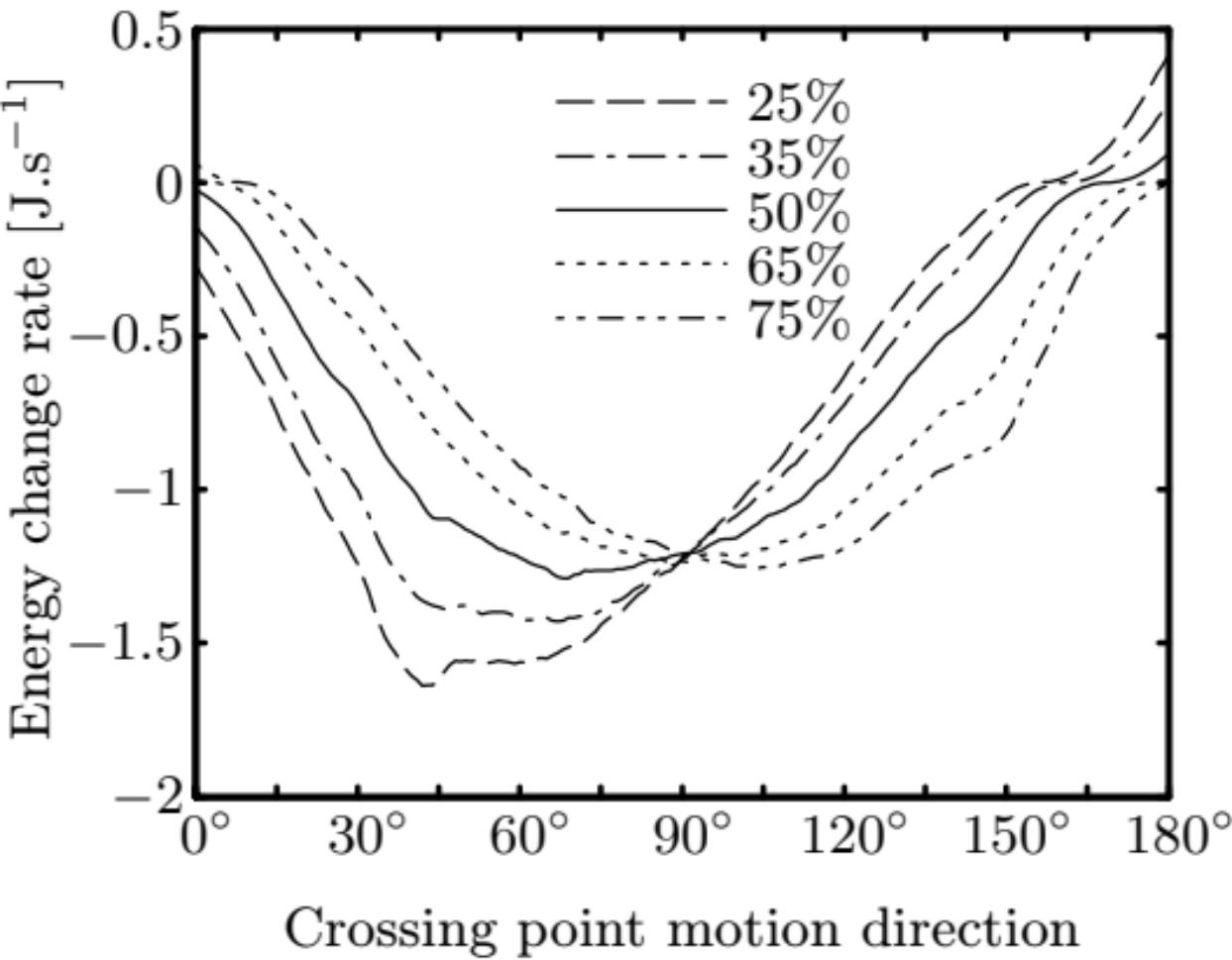


X

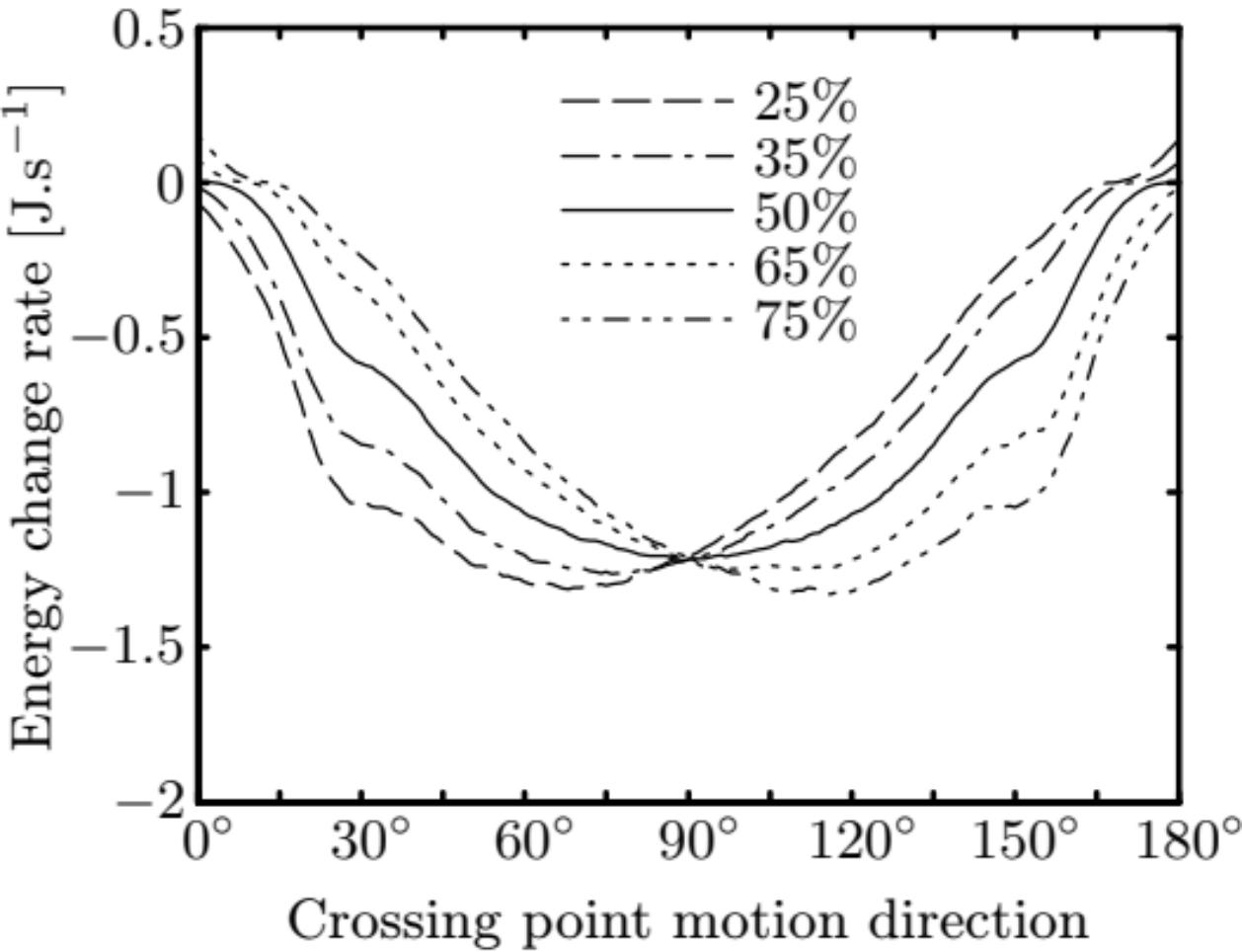




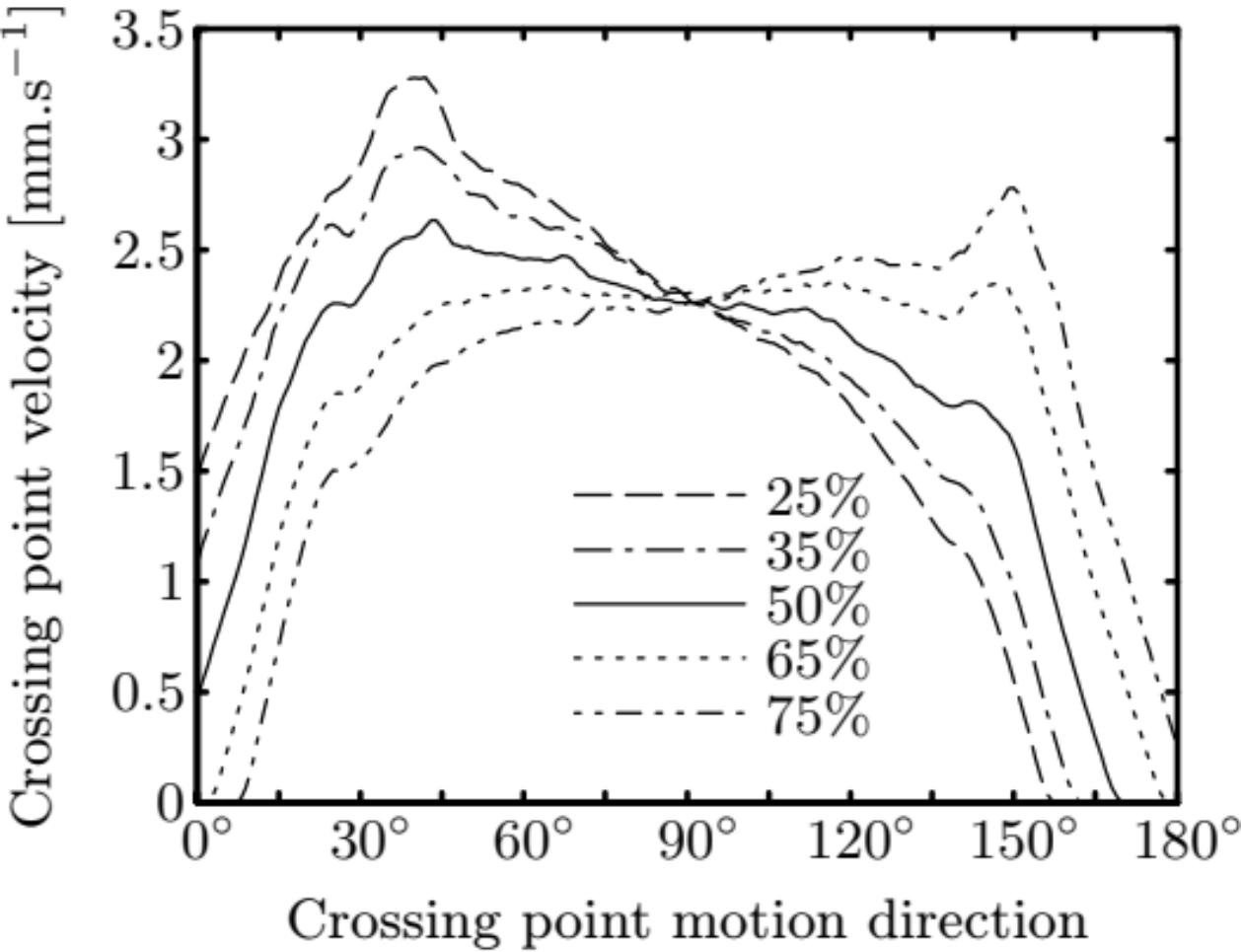
Lambda microstructure



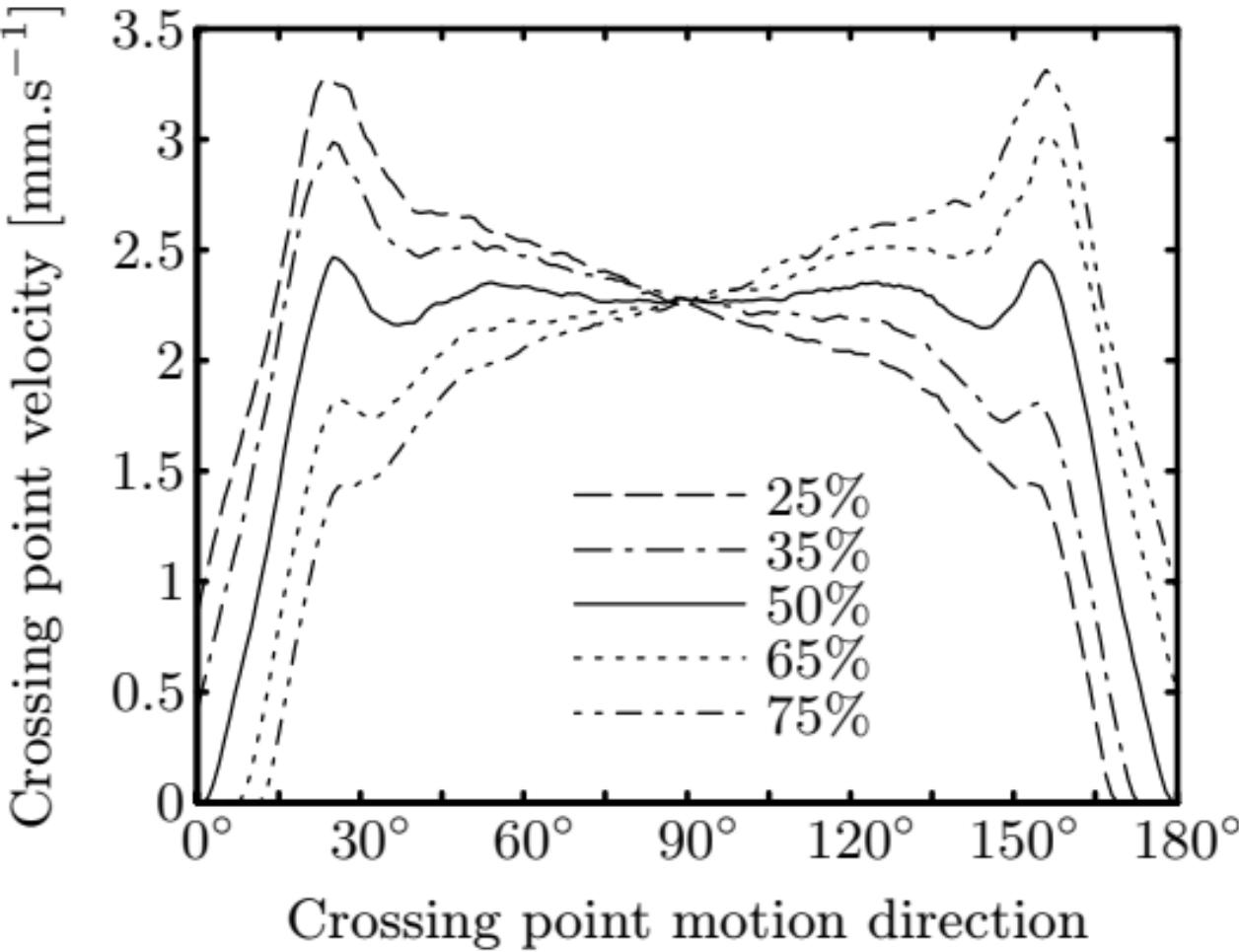
X microstructure



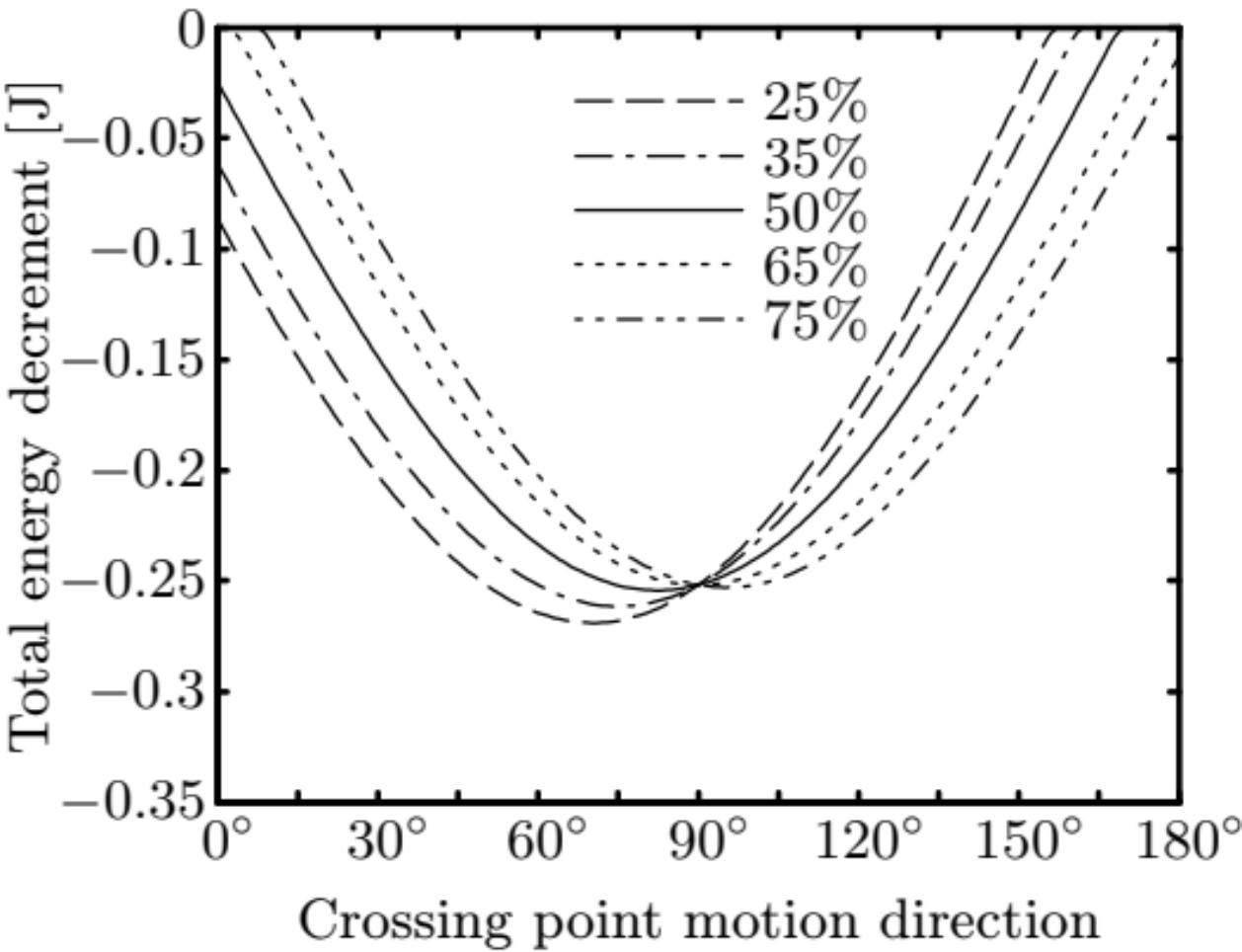
Lambda microstructure



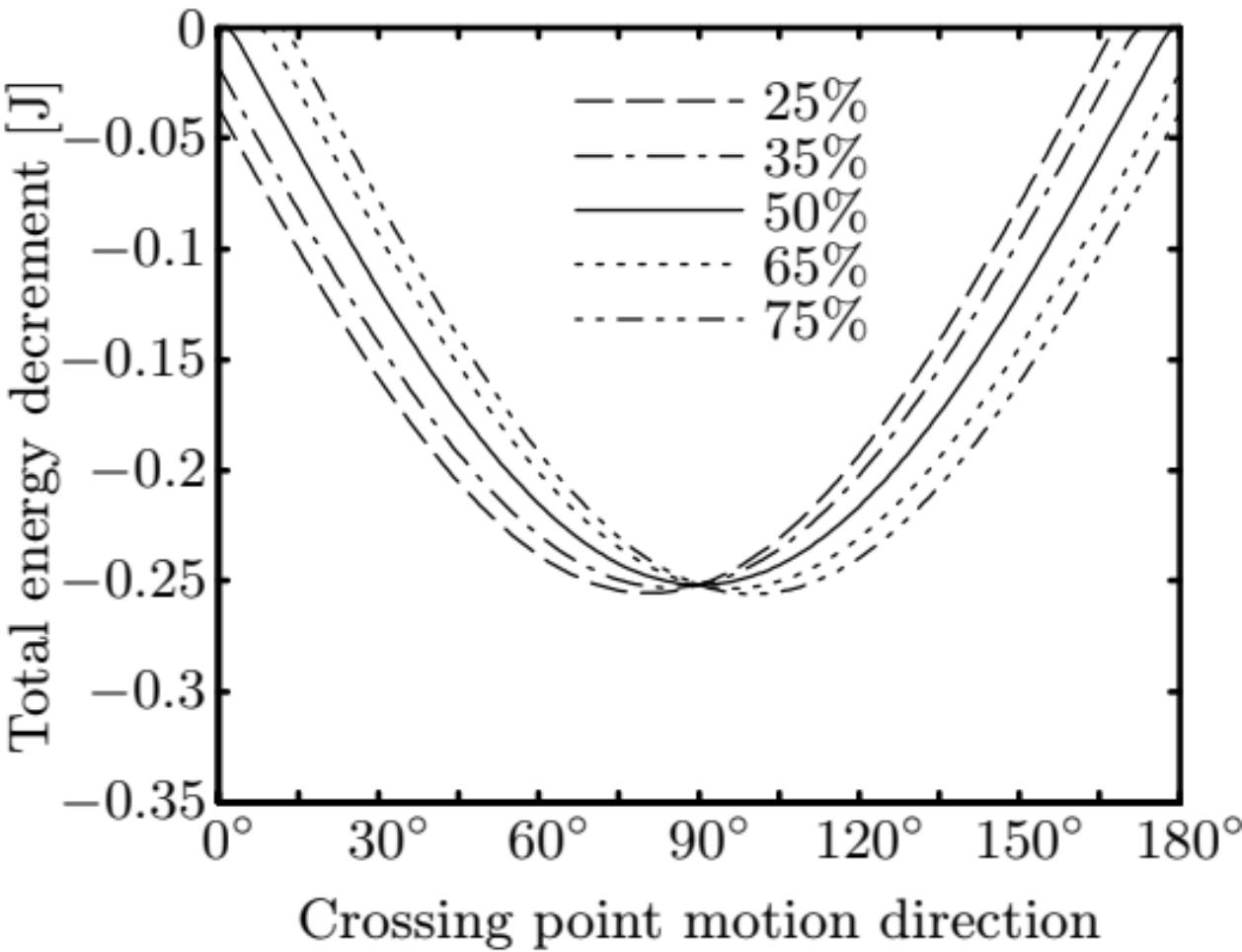
X microstructure

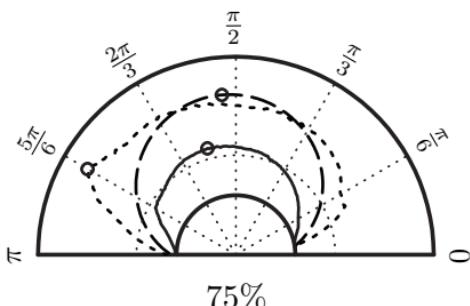
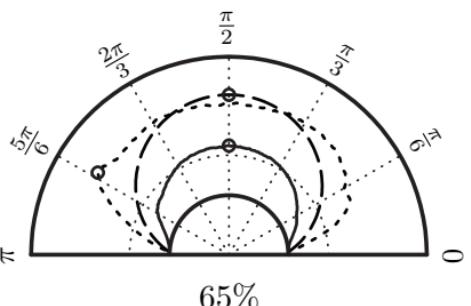
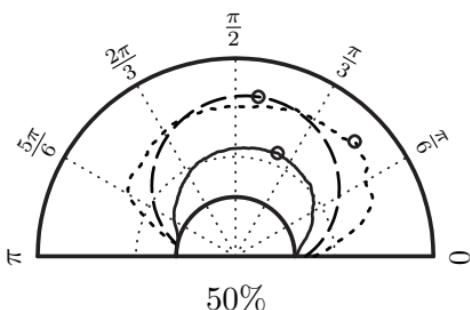
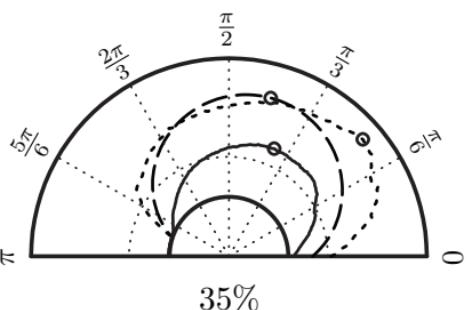
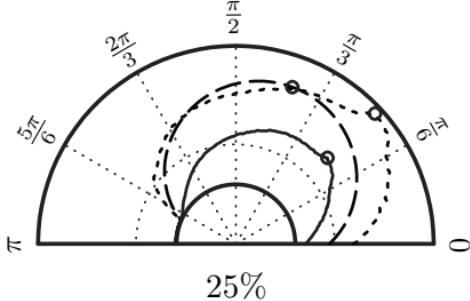
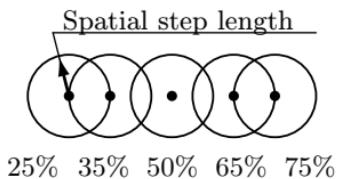


Lambda microstructure

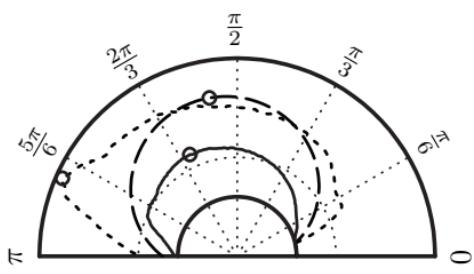
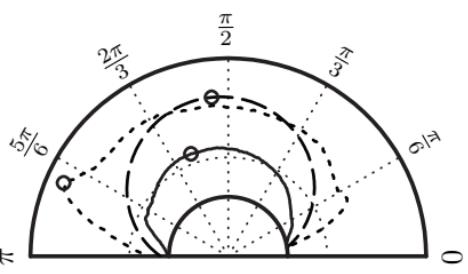
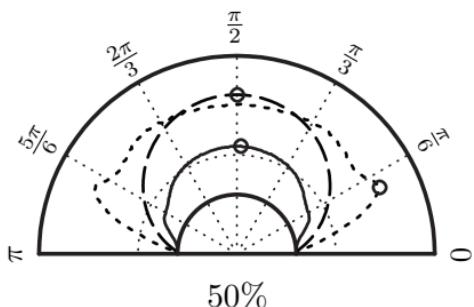
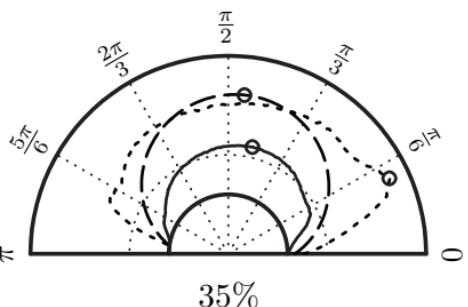
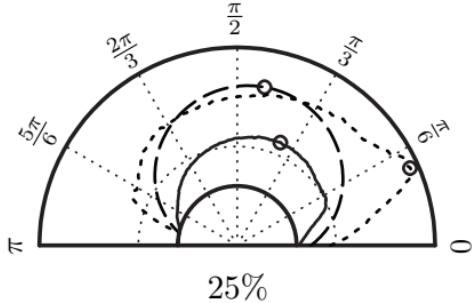
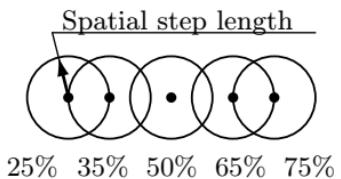


X microstructure

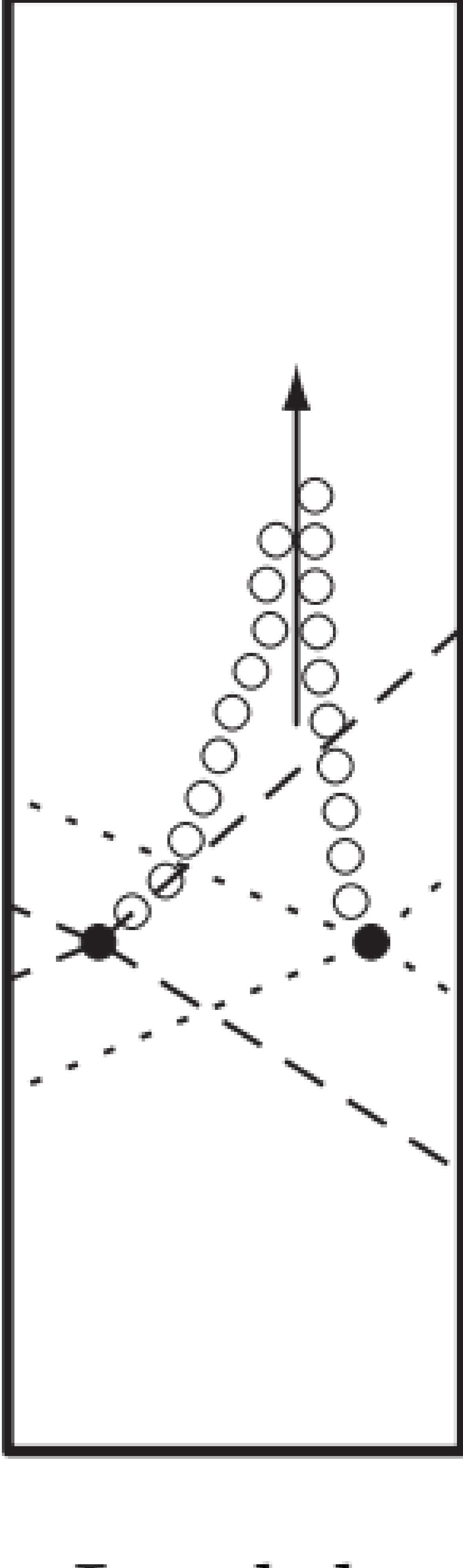




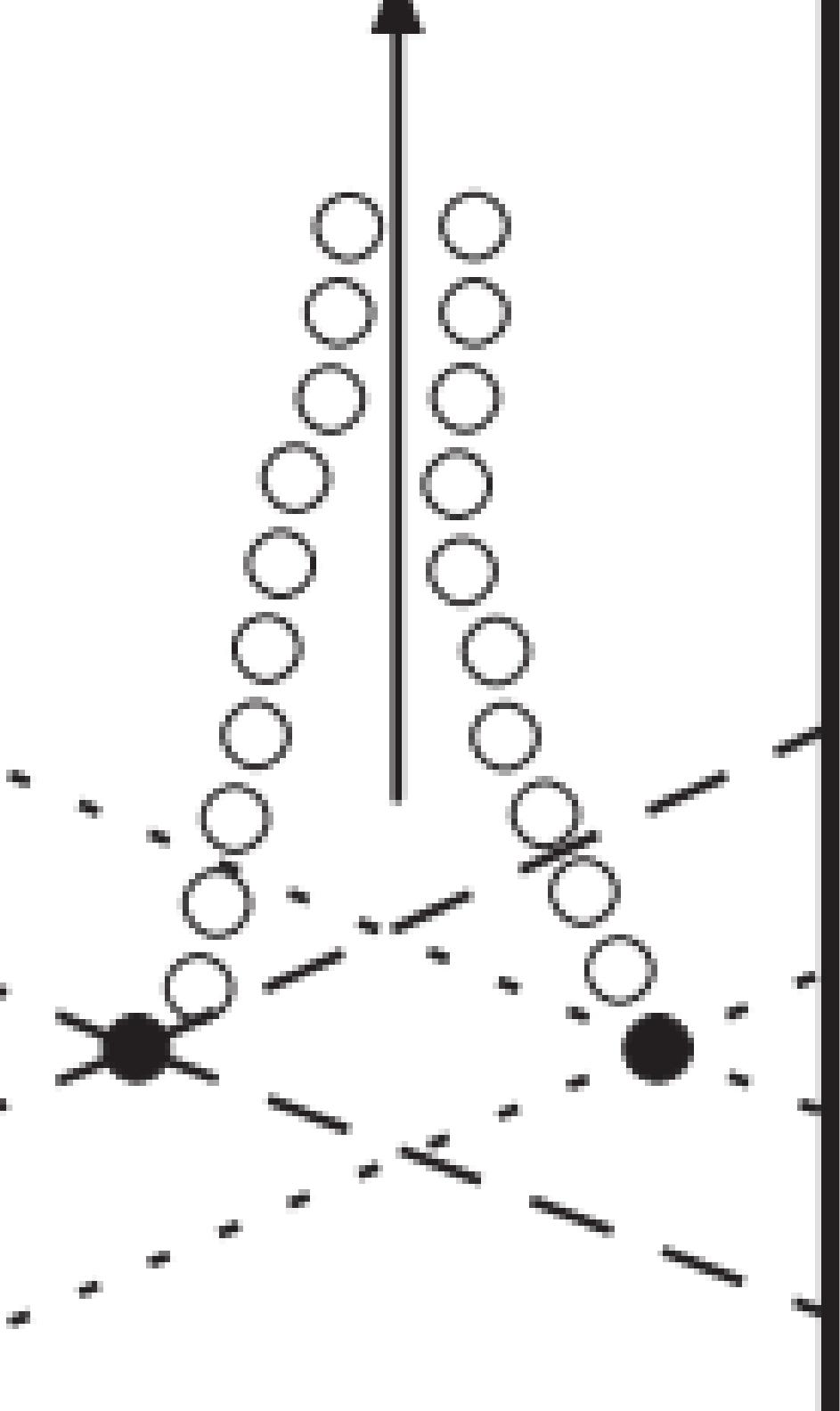
— Energy change rate
 - - - Crossing point velocity
 - - - Total energy decrement



— Energy change rate
 - - - Crossing point velocity
 - - - Total energy decrement

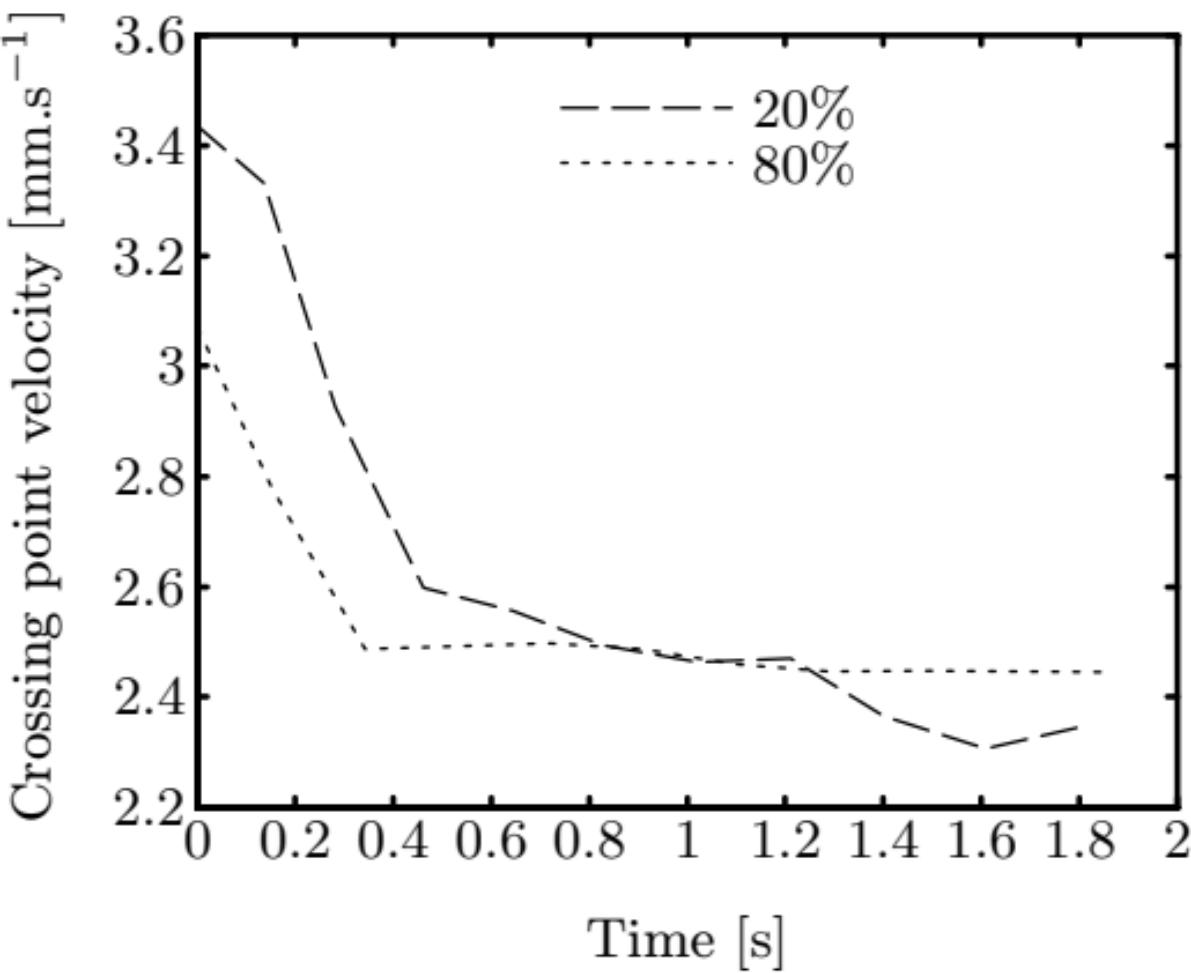


Lambda

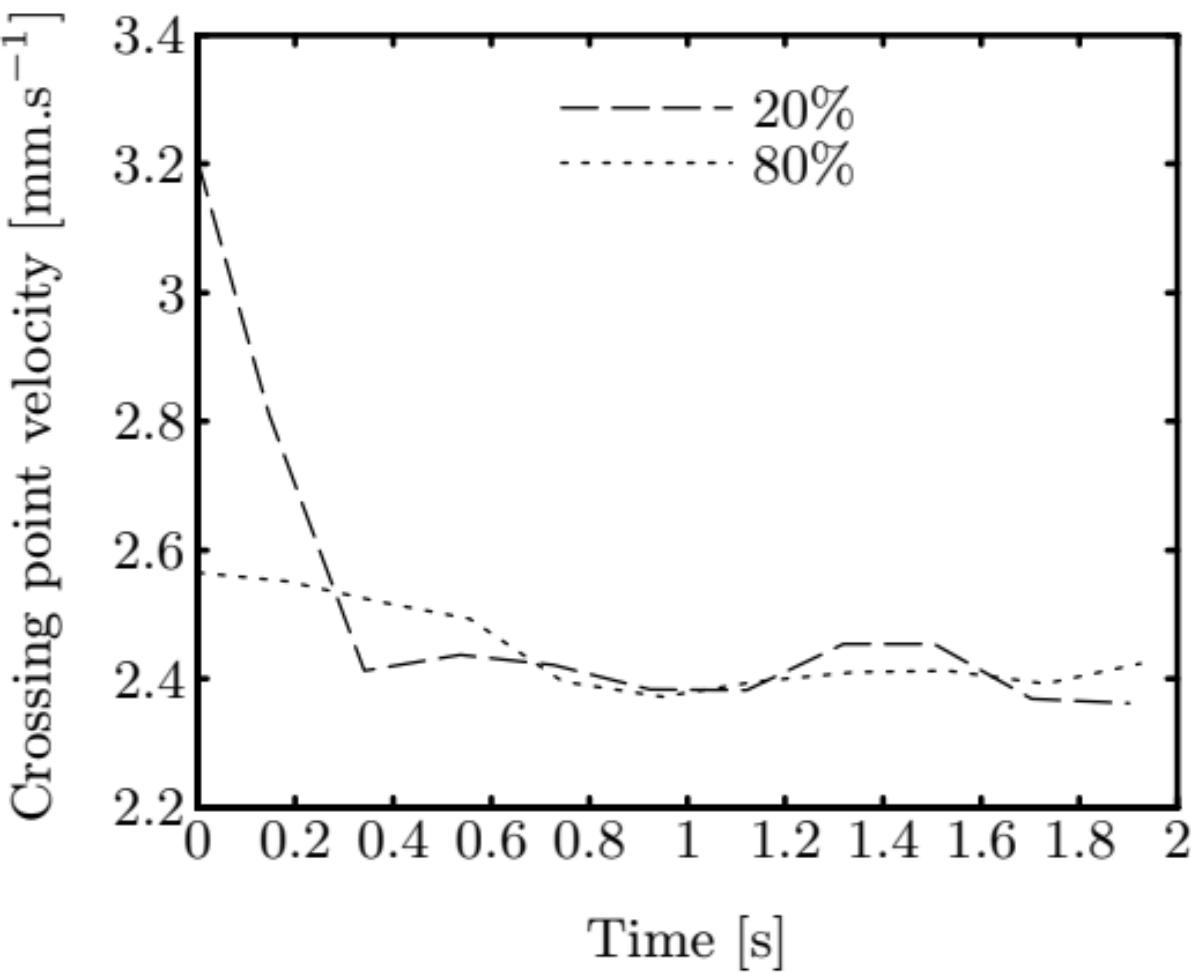


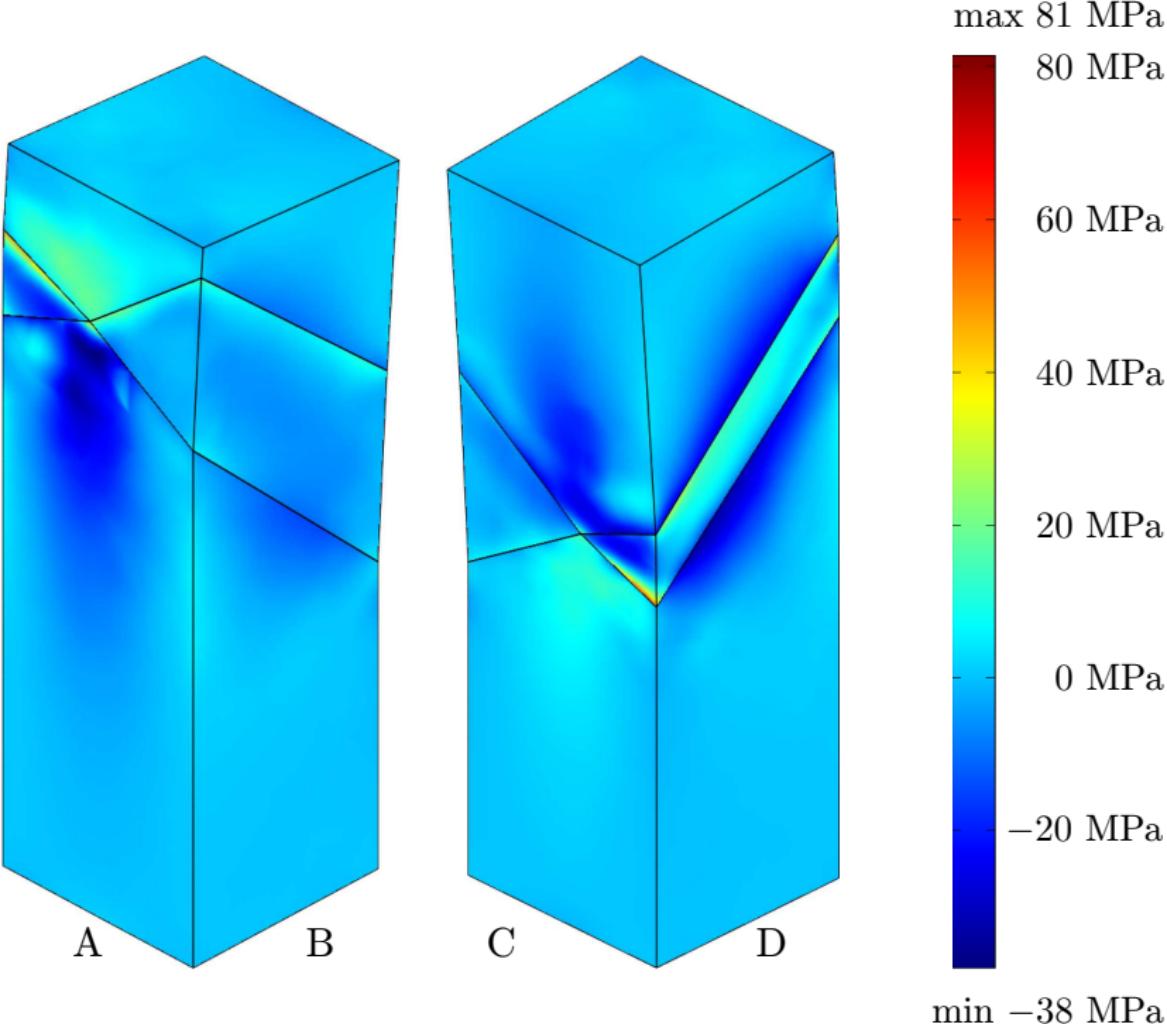
X

Lambda microstructure

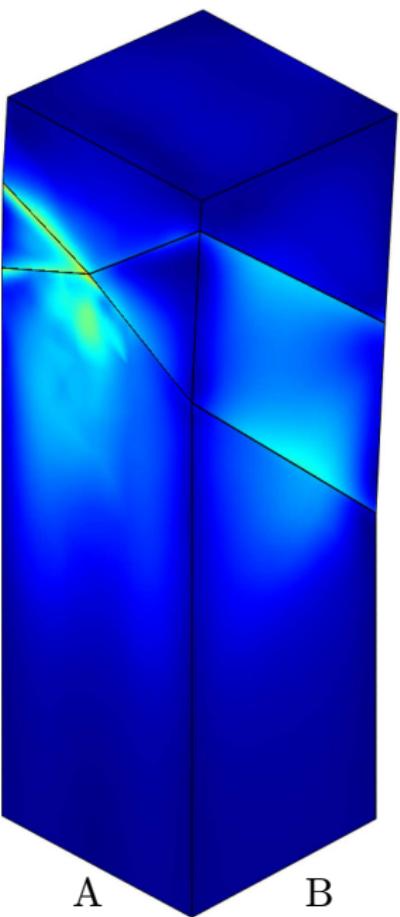


X microstructure



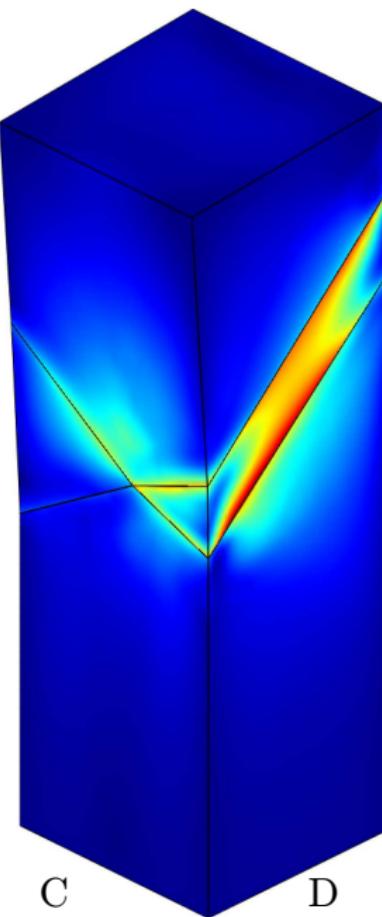


max 155 MPa



A

B

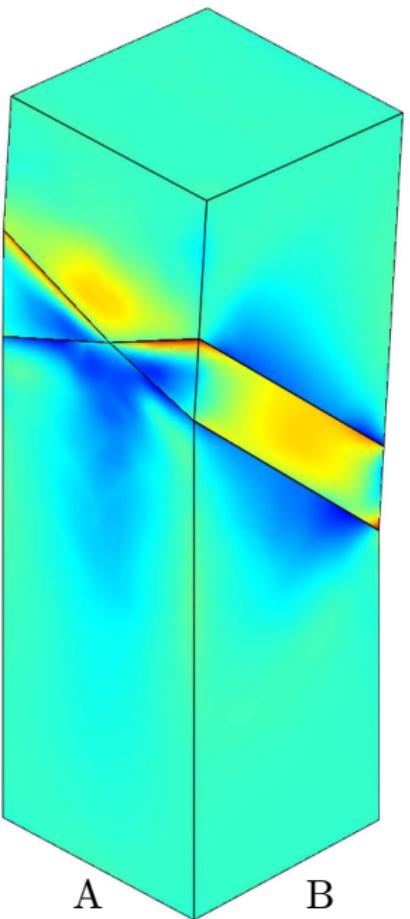
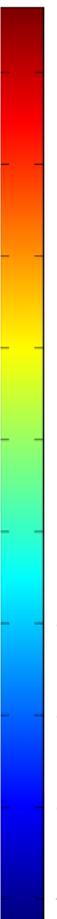


C

D

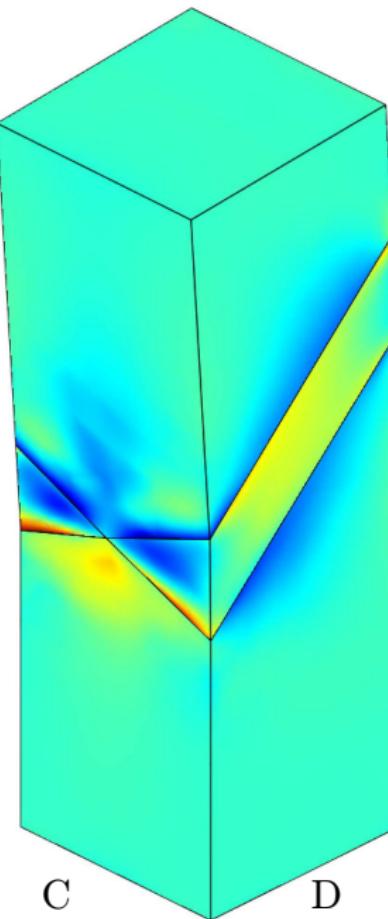
min 0 MPa

max 114 MPa



A

B



C

D

min -85 MPa

max 277 MPa

250 MPa

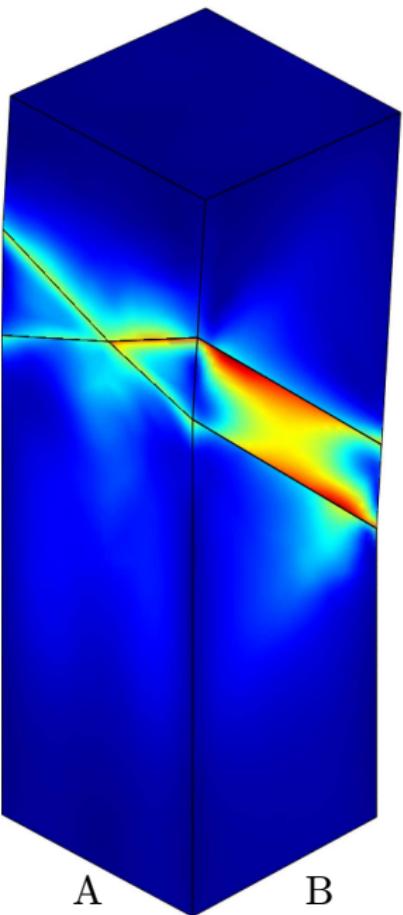
200 MPa

150 MPa

100 MPa

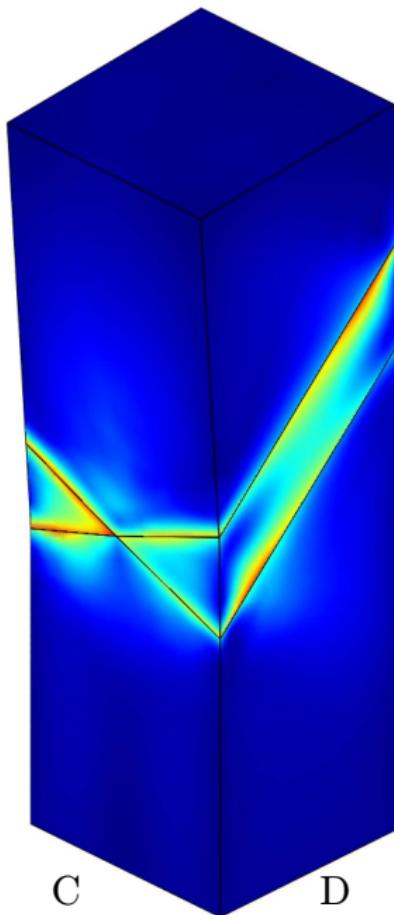
50 MPa

min 0 MPa



A

B



C

D