

## Model of bended structure in SiLENSe

Equation (2.3) of SiLENSe Physics Summary is modified in order to include the structure bending as following

$$\begin{aligned}\eta_a &= [a_E - a_R] / a_E - \frac{z + L}{R_x} \\ \eta_c &= [c_E - c_R] / c_E \\ \eta_y &= \eta_a \cos^2 \theta + \eta_c \sin^2 \theta - \frac{z + L}{R_y}\end{aligned}\tag{2.3}$$

where  $z$  is the vertical coordinate,  $R_x$  and  $R_y$  are the substrate curvature radii in  $x$  and  $y$  directions, and  $L$  is the distance between the bottom side of the first layer in SiLENSe and the so called neutral plane of the structure (the plane with zero lateral displacement due to the curvature).