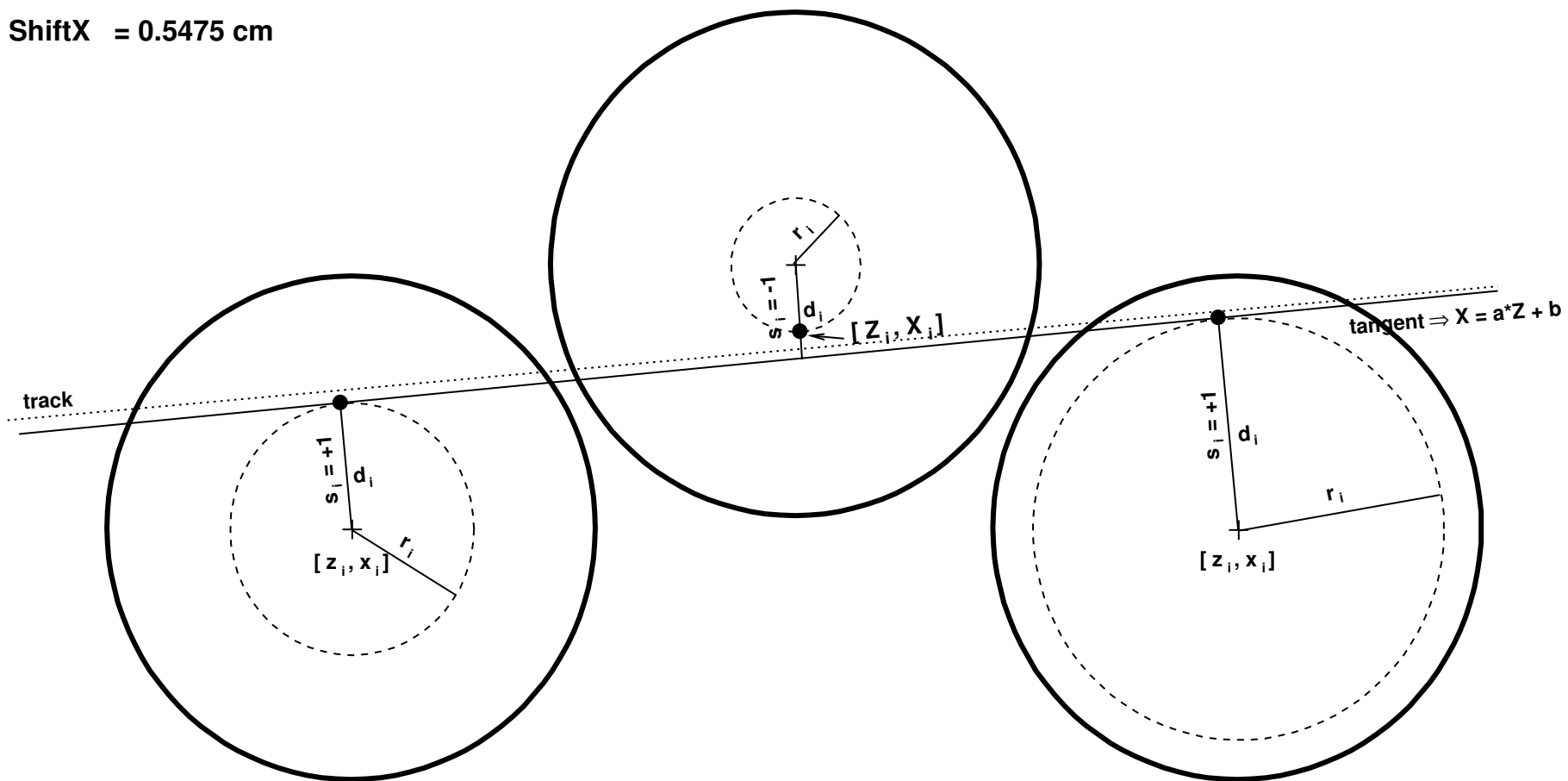


X

RStraw = 0.522 cm

 $\Delta X = 1.095$ cm $\Delta Z = 0.95$ cm

ShiftX = 0.5475 cm



$$d_i = \frac{a \cdot z_i - x_i + b}{\sqrt{a^2 + 1}}$$

ak straws tvoria pair (t.j. od nich so odvadza tangent) $\Rightarrow d_i = r_i$

$d_i < 0 \Rightarrow s_i = -1$ else $s_i = +1$

$|d_i| < \text{MaxDistHit2Track}$

$$Z_i = z_i - s_i \cdot r_i \cdot \frac{a}{\sqrt{a^2 + 1}}$$

$$X_i = x_i + s_i \cdot r_i \cdot \frac{1}{\sqrt{a^2 + 1}}$$

beam \rightarrow Z