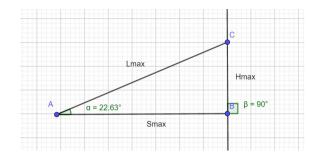
$$Smax := Lmax \cdot cos(a)$$



$$h(s) := \frac{s \cdot |Hmax|}{Smax}$$

$$s(L) := L \cdot cos(a)$$

$$\int_{0}^{Smax} h(s) ds \to \frac{Hmax \cdot Lmax \cdot \cos(a)}{2}$$

$$\int_{0}^{Lmax} h(s(L)) \cdot \left(\frac{\mathrm{d}}{\mathrm{d}L} s(L)\right) \mathrm{d}L \to \frac{Hmax \cdot Lmax \cdot \cos(a)}{2}$$

$$Slen := Alen \cdot cos(light_a)$$

$$Hray(s) := h0 + (Slen - h0) \cdot \frac{s}{Slen}$$

$$\int_{0}^{Slen} Hray(s) ds \rightarrow \frac{Alen \cdot (Alen \cdot \cos(2 \cdot light_a) + 2 \cdot h0 \cdot \cos(light_a) + Alen)}{4}$$

$$LightAtPoint := \underbrace{Intensity}_{P} - \int_{P}^{Pexit(P)} f(P) dP$$