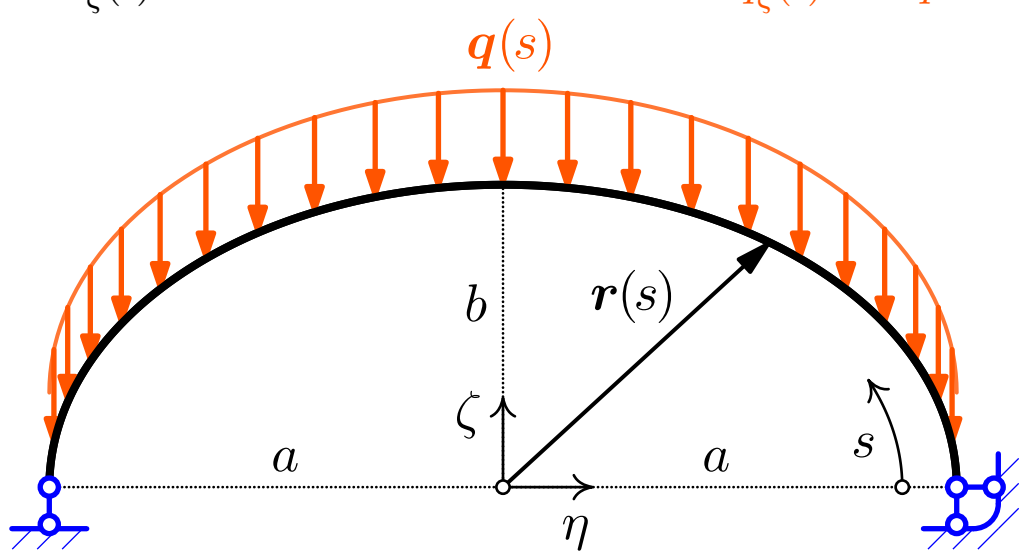


# Le problème de Vadique à propos d'une poutre elliptique

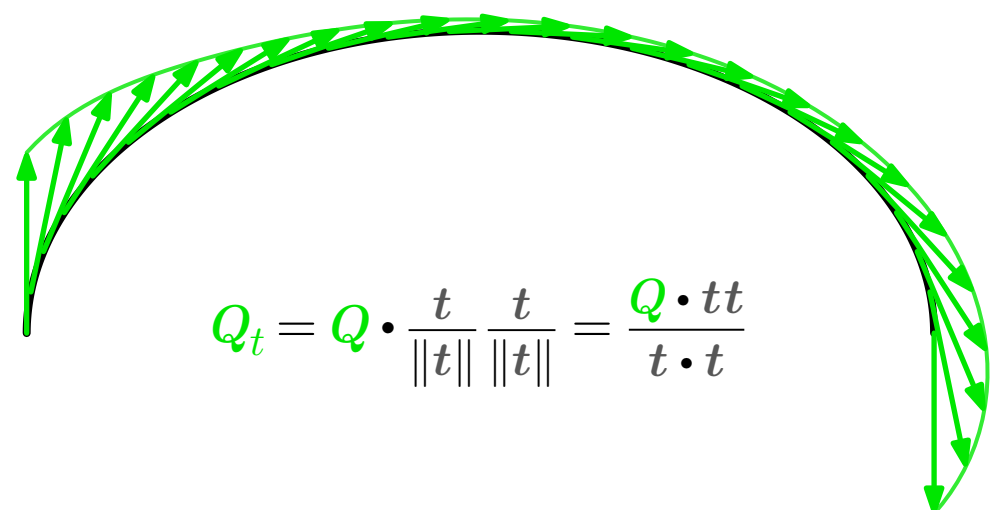
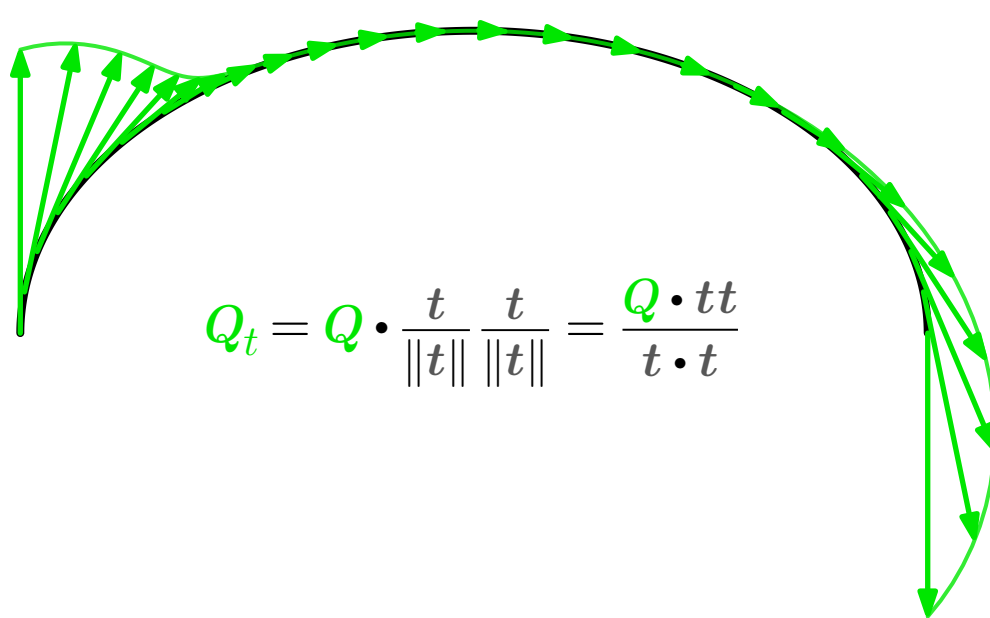
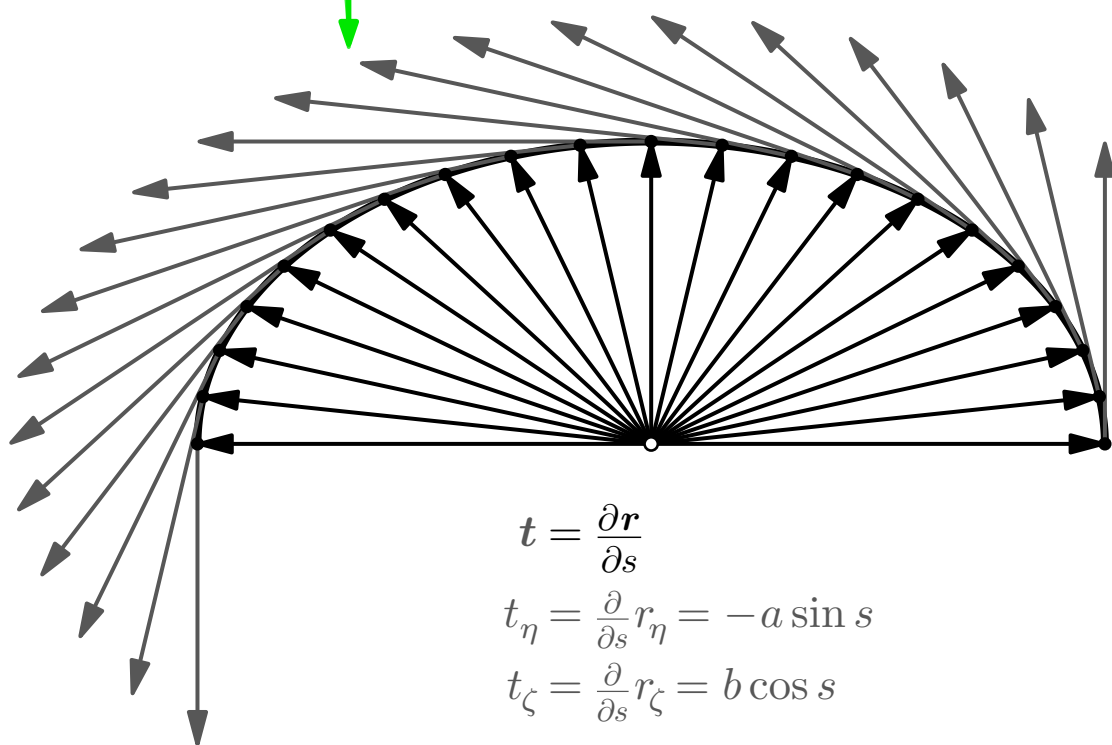
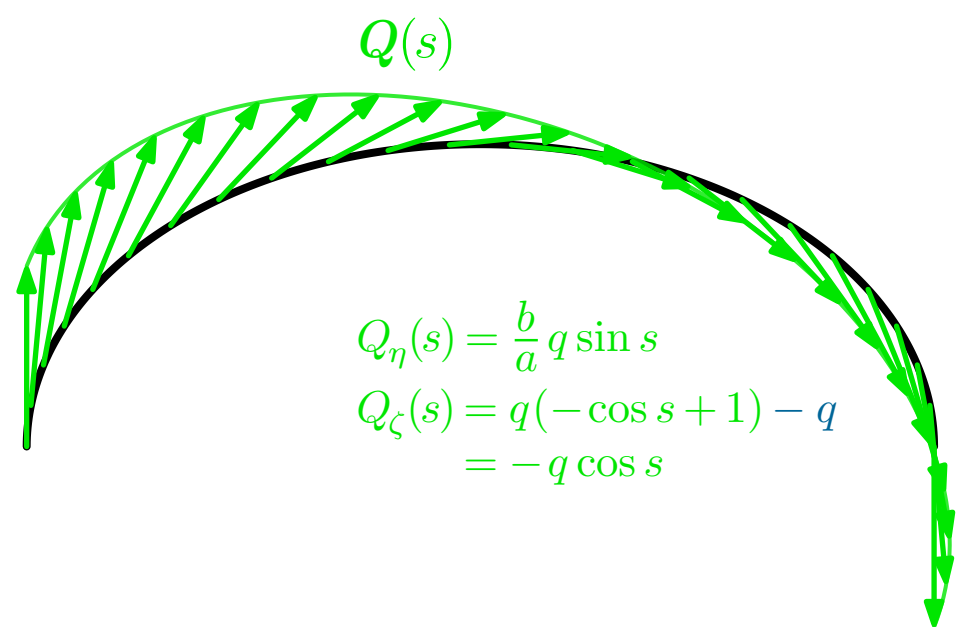
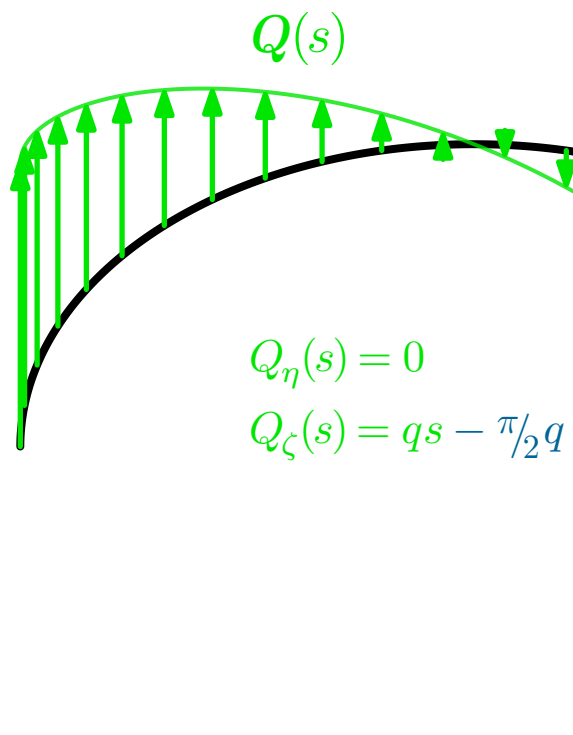
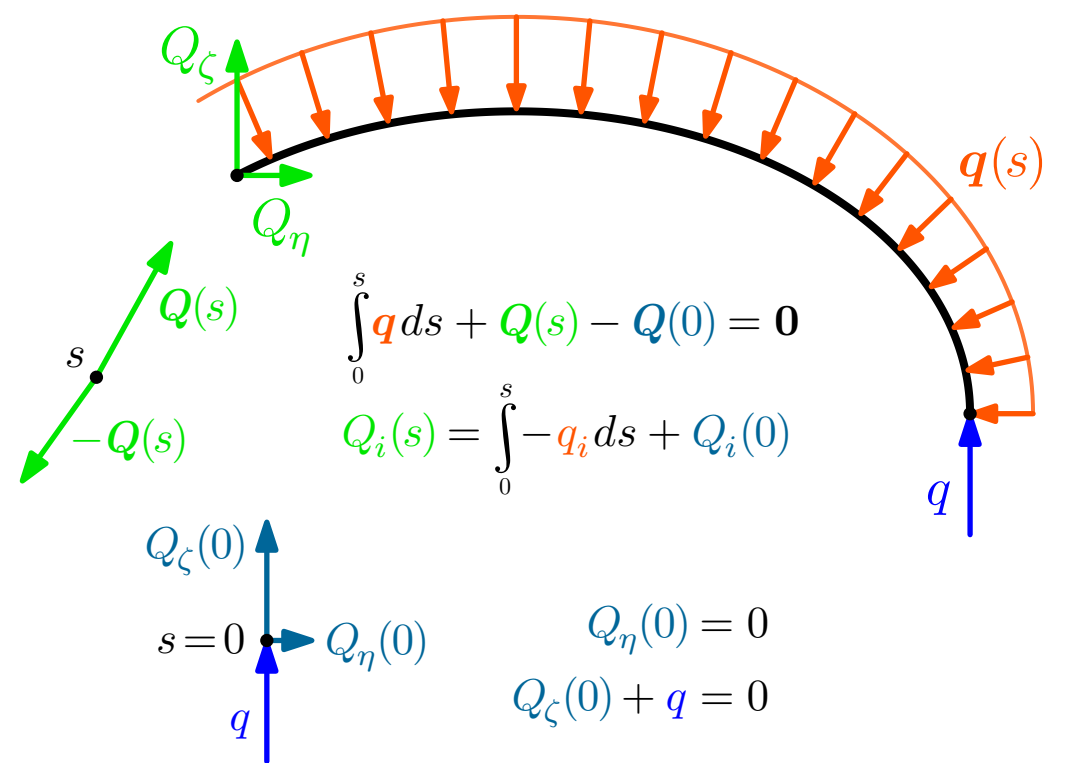
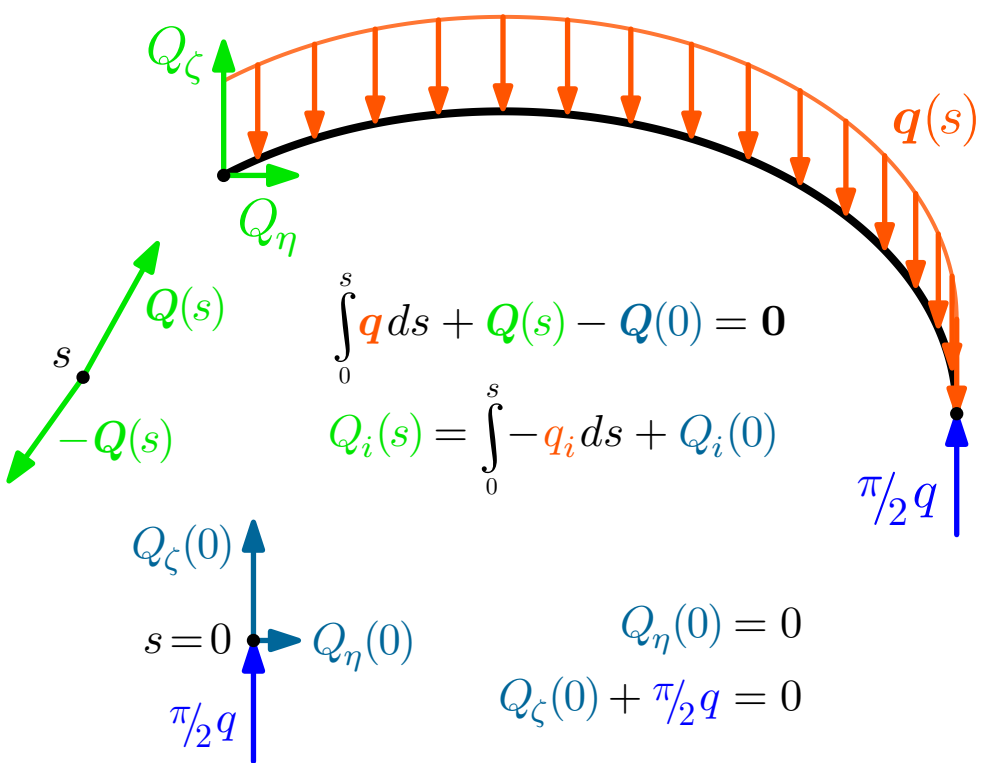
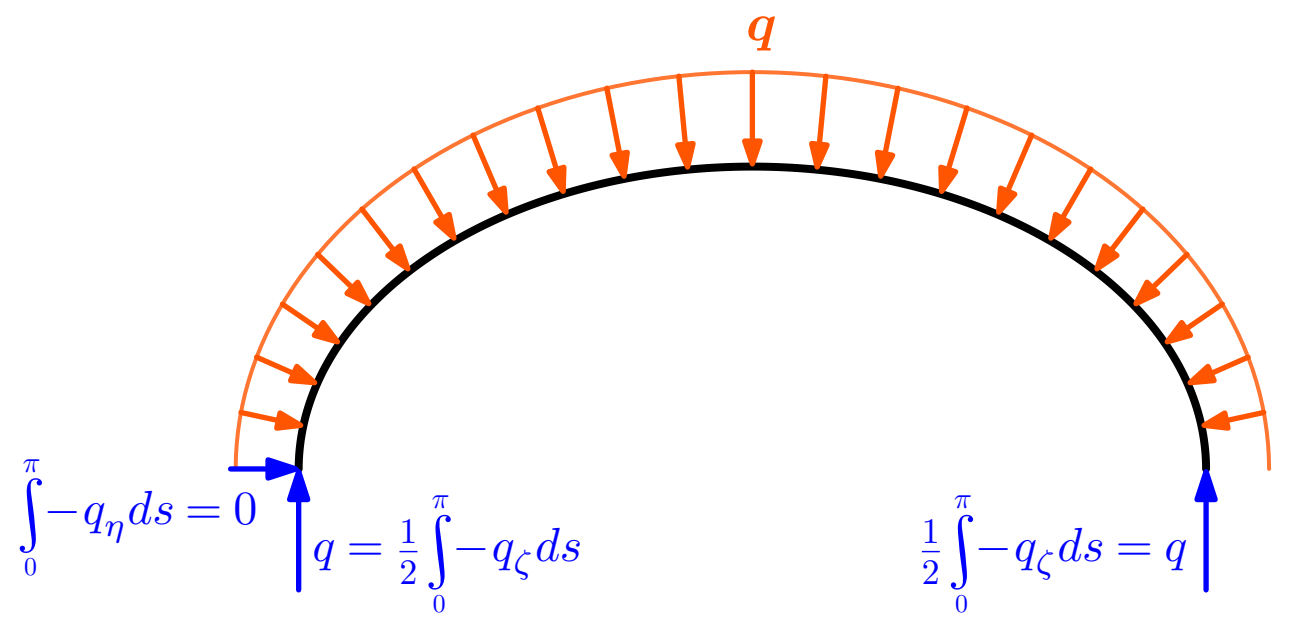
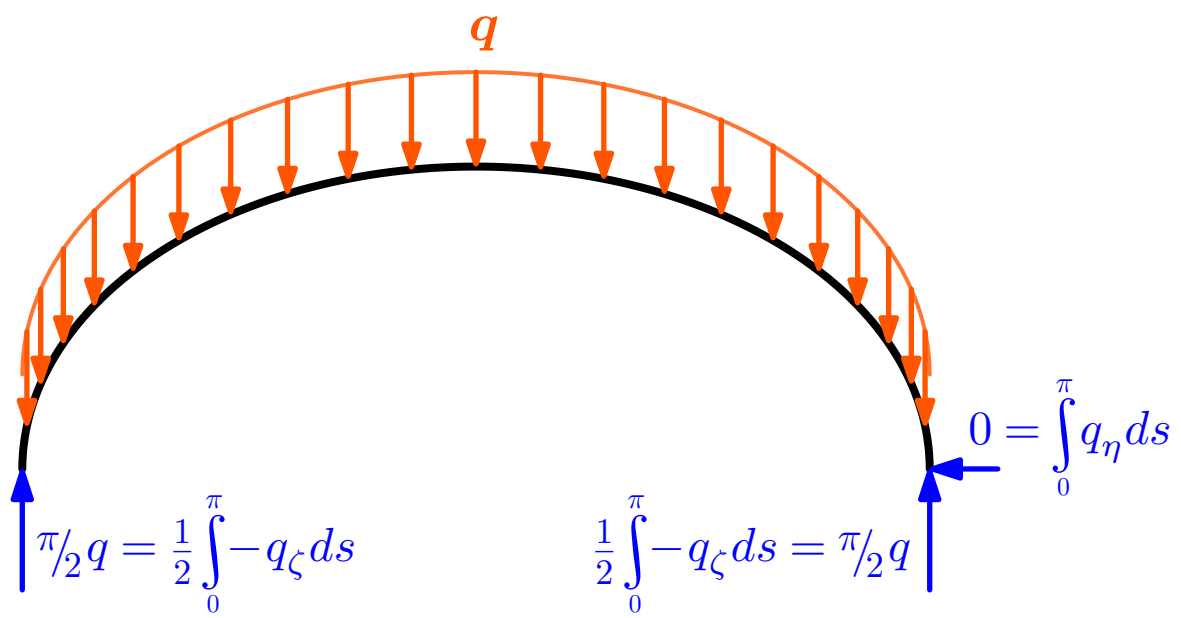
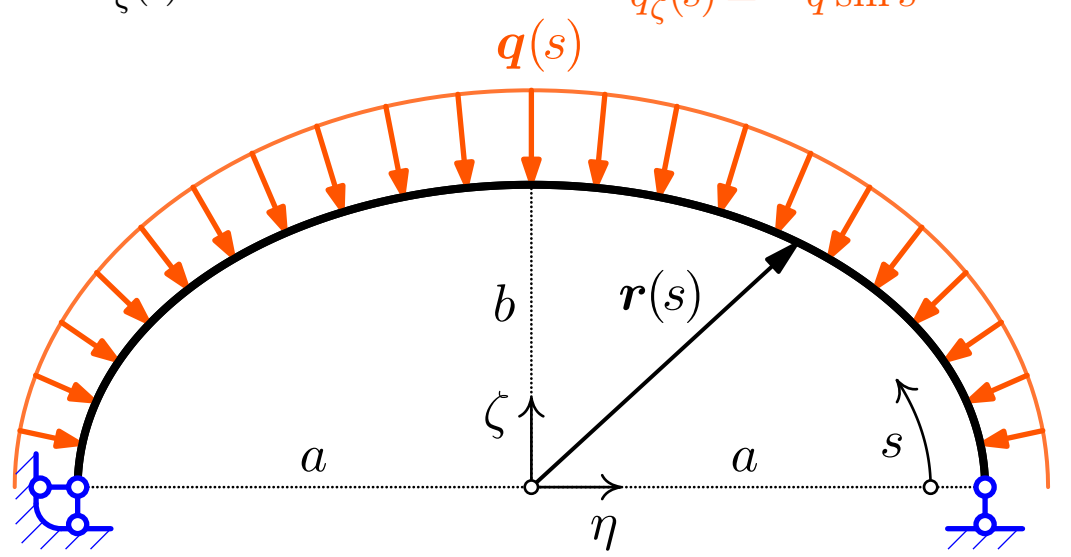
$$\begin{aligned} r_\eta(s) &= a \cos s \\ r_\zeta(s) &= b \sin s \end{aligned}$$

$$\begin{aligned} q_\eta(s) &= 0 \\ q_\zeta(s) &= -q \end{aligned}$$



$$\begin{aligned} r_\eta(s) &= a \cos s \\ r_\zeta(s) &= b \sin s \end{aligned}$$

$$\begin{aligned} q_\eta(s) &= -\frac{b}{a} q \cos s \\ q_\zeta(s) &= -q \sin s \end{aligned}$$



$$\int_0^s (\mathbf{r} \times \mathbf{q}) ds + \mathbf{r}(s) \times \mathbf{Q}(s) - \mathbf{r}(0) \times \mathbf{Q}(0) + \mathbf{M}(s) - \mathbf{M}(0) = \mathbf{0}$$