$$Min \sum_{i=\{0,2\}} |v_{i+2} - v_{i+1}|$$

$$S.t.$$

$$160 \leq \begin{bmatrix} r_{leo1} & r_{leo2} \end{bmatrix}^T \leq 2000$$

$$108 \leq \partial t_0 \leq 1000$$

$$92 \leq \partial t_1 \leq 1000$$

$$0 \leq \begin{bmatrix} i_1 & i_2 \end{bmatrix}^T \leq \pi$$

$$0 \leq \begin{bmatrix} \mu_{leo1} & \mu_{leo2} \end{bmatrix}^T \leq 2\pi$$

$$\sum_{i=\{0,2\}} |v_{i+2} - v_{i+1}| > 0$$

r_{leo1} is the radius of LEO-1 [Km] (Earth to EROS(433))

r_{leo2} is the radius of LEO-2 [Km] (EROS(433) to Earth)

$\sum_{i=\{0,2\}} |v_{i+2} - v_{i+1}| = \Delta V$ is the characteristic velocity [Km/s]

∂t_0 time taken to complete Earth to EROS(433) transit [days]

∂t_1 time taken to complete EROS(433) to Earth transit [days]

i_1 inclination of LEO-1 [rads]

i_2 inclination of LEO-2 [rads]

μ_{leo1} true anomaly of LEO-1 [rads]

μ_{leo2} true anomaly of LEO-2 [rads]