

MUON MMPS ANALYSIS
 DATE: 01/15/02
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$$T := 25$$

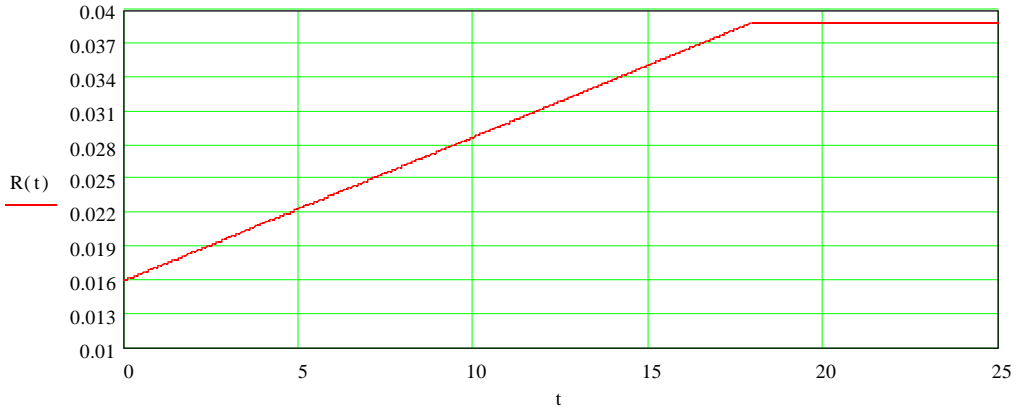
$$t := 0, 0.02..T$$

$$R_{or} := \frac{16}{1000} \quad R_{fin} := \frac{39}{1000} \quad tr := 18$$

$$a := \frac{R_{fin} - R_{or}}{tr}$$

$$R_{fin} := R_{or} + a \cdot tr$$

$$R(t) := \text{if}(t < tr, R_{or} + a \cdot t, R_{or} + a \cdot (tr))$$



$$R1 := \frac{19.3}{1000}$$

$$L := 0.436 \quad V_{rup} := 300$$

$$Iv3(t) := \frac{V_{rup}}{R1} \cdot \left(1 - \exp\left(\frac{-R1}{L} \cdot t\right) \right)$$

$$Iv1(t) := \frac{V_{rup}}{R(t)} \cdot \left(1 - \exp\left(\frac{-R(t)}{L} \cdot t\right) \right)$$

$$Iv2(t) := \frac{2 \cdot V_{rup}}{R(t)} \cdot \left(1 - \exp\left(\frac{-R(t)}{L} \cdot t\right) \right)$$

