$$\int_{0.7}^{0.7} |u| du = \int_{0.7}^{0.7} |u| du$$

Vz hladom na dopravné oneskorenie:
$$t = \frac{1}{4 \div 8} Td = \frac{1}{4 \div 8} \cdot 1 = \frac{1}{6} = 0.1667$$

$$G(s) = \frac{15000}{14(s-s(14s+1))} e^{-1s}$$

Residue

Pade:

$$\frac{-15000s+30000}{14s^3+29s^2+2s} = \frac{-107114+214219}{s(s+2)(s+0,0714)}$$

$$= \frac{A}{S} + \frac{B}{S+2} + \frac{C}{S+0.0714} = \frac{1071.4}{S} + \frac{79.3571}{S+2} - \frac{1150.8}{S+0.0744}$$

$$y(t) = y(t) = 1071.4 + 79.36e^{2t} - 1150.4.e^{-0.10714}$$

$$Z_{1} = e^{\circ} = 1$$
 $Z_{1} = e^{-2k}$