

## Naloga 1:

$$dT_G/dt = -(T_G/\tau) + (T_0/\tau'),$$

$$(1/\tau) = (\lambda S)/(mc_V d) + (\rho\Phi_V)/m = 0.47 \text{ s}^{-1},$$

$$T_0/\tau' = [(\lambda S)/(mc_V d)]T_{ind} + [(\rho\Phi_V)/m]T_{vst} = 146 \text{ Ks}^{-1};$$

$$T_G(t)/\tau = (T_0/\tau') - [(T_0/\tau') - (T_{ind}/\tau)] \exp -t/\tau, T_G(t=0) = T_{ind}, T_G(t \rightarrow \infty) = (T_0/\tau')\tau.$$