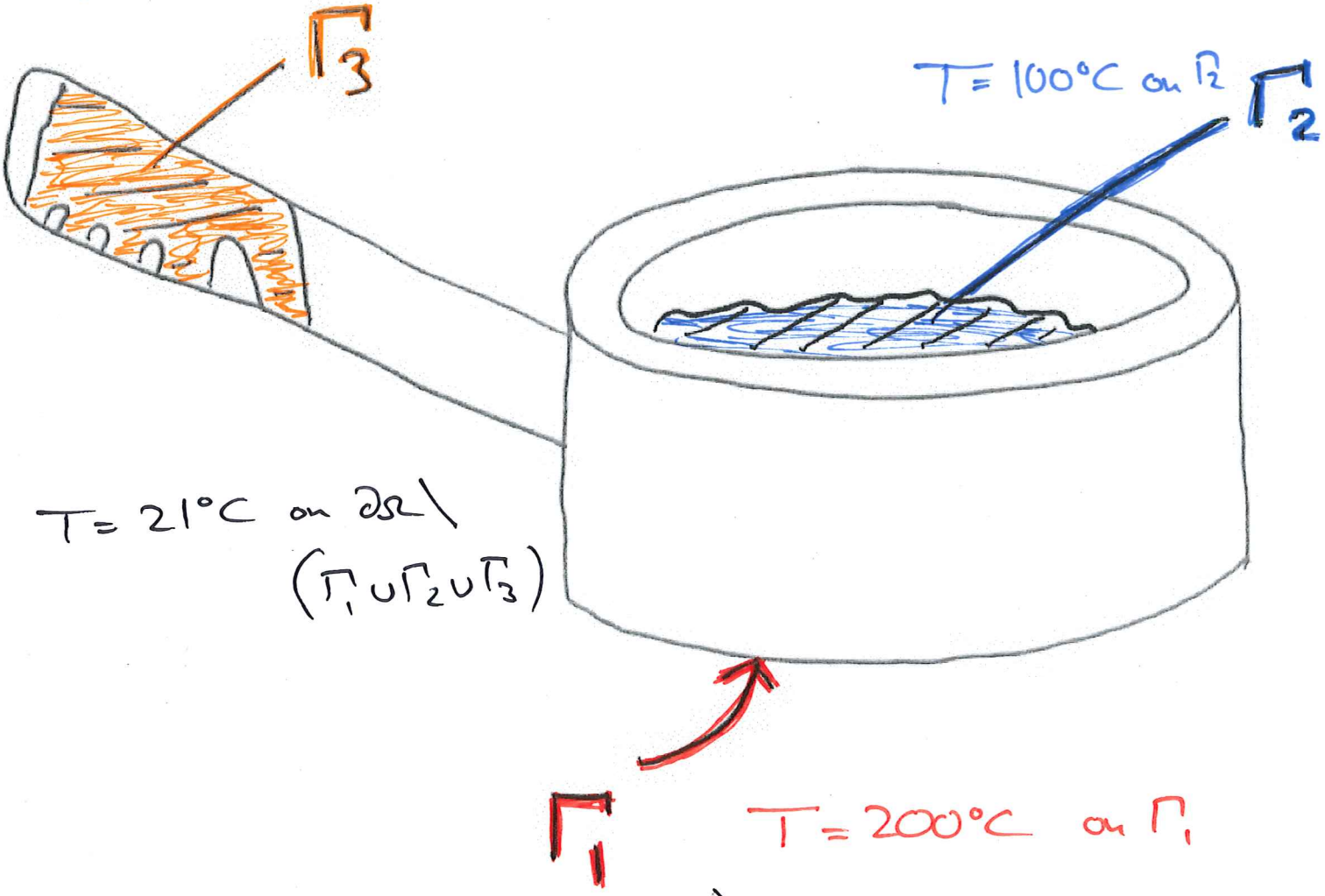
no source term

microwave radiation

$$-\Delta T = 0 \quad f \geq 0$$

$T = 30°C$ on $\Gamma_3$




$T = 21°C$ on $\partial\Omega \setminus (\Gamma_1 \cup \Gamma_2 \cup \Gamma_3)$

$\Gamma_1$

$T = 200°C$ on $\Gamma_1$

$$21°C \leq T(x) \leq \cancel{200°C}$$

no upper bound can be derived if $f \geq 0$