$\gamma = 0$

$U^\alpha(0)$
V^α
N^α

hot

$U^\beta(0)$
V^β
N^β

cold

diathermal wall

$\gamma = 1$

$U^\alpha(1)$
V^α
N^α

$U^\beta(1)$
V^β
N^β

diathermal wall (equilibrium)