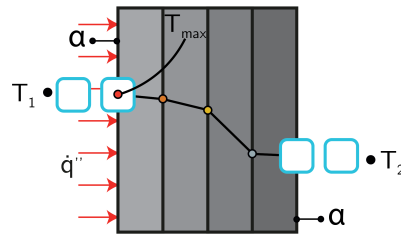


Temperature Profile 81



After getting closer to the wall the temperature gradient and temperature increase to its given maximum temperature..



At the intersection the temperature reaches its maximum. From there it decreases with a linear relationship. The slope of the solid layer is smaller than of the air layer due to its higher thermal conductivity.



The temperature gradient for the solid layer is less steep, than for the surrounding air layer.



After moving away from the outer wall the temperature gradient increases until no heat is transferred.