Addendum To 5.4

Part C.

B << 1 so gradients w/in plate are negligible.

$T_\infty$ $T_f$ $T_i$

$t < 0$ $t = t_0$ and $t > t_0$ but $t < t_\infty$

get profiles very, very close to SS profile that is constant @ $T_f$

This is because gradients w/in slab are negligible.

Since gradients in temperature are negligible, $T_{\text{surface}} \approx T_{\text{center}}$ for all $t$.