THREE-EQUATION MELT FORMULATION: COMBINING TO A QUADRATIC EQUATION

INSERT TO AND S INTO ME !

MULTIPLY By (me; +ex, ) (m+xs)

SE THE POLLOWING THE D.S + B - Freezem point of water with silvery S

The Distriction of the silvery point of the?

 $m^{2}(c_{i}(T_{i}-T_{i})-L_{i})$ + $m(cx_{T}(T-T_{i})+c_{i}x_{s}(T_{i}-T_{i})-x_{s}L_{i})$ + $cx_{s}x_{T}(T-T_{i})=0$ 

MULTIRY BY =/ , AND NOTE THAT?

IS THE SOLUTION, WITH

A = Li + Ci (T4-Ti)

B = 85 (C; (T4-T;)+L;) +8+c(T4-T)

C= e8s87 (T4-T)

NOTE: FENNINS' MATLAB CODE DOES ANOTHER STEP, DIVIDING 17 C.