

FORM TO SPECIFY INPUT DATA FOR
ATMOSPHERIC TEMPERATURE MODEL TLINEAR

This subroutine specifies an atmospheric temperature that increases linearly with height.

$$T = T_o + \left(\frac{dT}{dz}\right) z$$

$z = r - r_e$, where r_e is the Earth radius and r is the radial coordinate of the ray point.

Specify--

the model check for TLINEAR = 1.0 (W200)

the input data-format code = _____ (W201)

an input data-set identification number = _____ (W202)

an 80-character description of the model, including description of parameter values:

the ground temperature, T_o = _____ °K (W203)

the temperature gradient, dT/dz = _____ °K/km (W204)

(set = 0 for isothermal atmosphere)

OTHER MODELS REQUIRED: Any temperature-perturbation model. Use NPTEMP if no perturbations are desired.