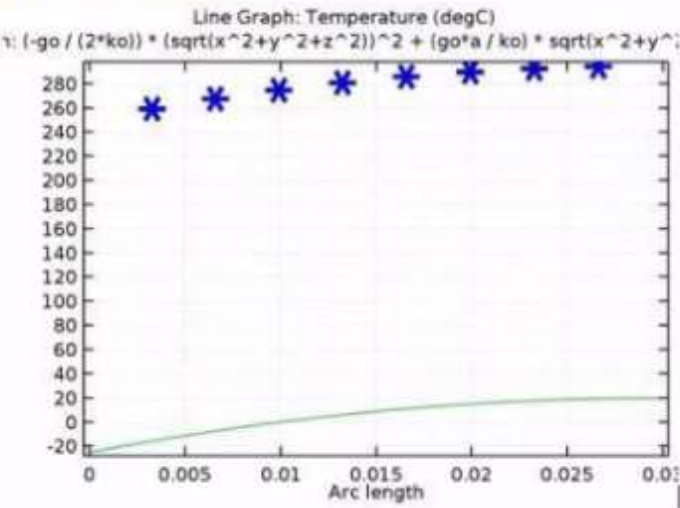


Summary:

4.4.3 1D Plot Group 3



Line Graph: Temperature (degC) Line Graph: $(-go / (2*ko)) * (sqrt(x^2+y^2+z^2))^2 + (go*a / ko) * sqrt(x^2+y^2+z^2)$ (K)

My line graph has identical curvature, but it does not match completely. I believe that has to do with my evaluation of the hemisphere rather than the whole sphere. I do not know how to adjust that; I tried to look for COMSOL help but could not identify the issue. I also rewatched the lectures but no luck.

At surface temperature:

4.3.3 Table 2

Surface integration 2 (T)

Table 2

Temperature (m^2*K)	Temperature (m^2*K)	Temperature (m^2*K)	Normal conductive heat flux (W)
8.2155	8.2155	8.2155	470.83