**AtSc 353 Physical Meteorology**

**Homework 7: Mar. 31, 2021**

**Due Date: Apr. 7, 2021**

**15 points**

1. (5pt) Depending on the measurement used, the solar constant has varied from 1368 to 1360 W m-2. To what extent does this vary the surface temperature of the Earth?
2. (10pt) Create a plot of Earth’s **surface temperature** as a function of albedo (from 0-100% in 1% increments) without an atmosphere and using the 2-layer model.