- 1. Full sag , no internal
- 3. Fall sun , internal
- 4. Deep space, internal

Given:

2. Deep space, no internal GOGIAI: Cp=0.846 3co X=167 W/m/K

## Case 1

- Sun | Desat & Conduction from outer to inner saffice

Strategy: Find time for T, to seach 60°C willen T, =60°C · Apply to to Rudiation model to find T, with to. · Find time for Tz = 600 when Ta(tz) · Italie

From conservation of energy: