reviewer4@nptel.iitm.ac.in ▼ Courses » Radiative Heat Transfer Announcements Course Ask a Question FAQ **Progress** Unit 1 - How to access the portal Register for **Assignment 0 Certification exam** The due date for submitting this assignment has passed. Course Due on 2019-02-04, 23:59 IS As per our records you have not submitted this outline assignment. How to access 1) Determine the temperature of a black isothermal sphere orbiting around the Earth and exposed to 1 point the portal only solar radiation. Assume $q_{sol} = 1353 \text{ W/m}^2$ How to access the home page? 278 K How to access the course page? How to access No, the answer is incorrect. the MCO, MSO Score: 0 and Programming **Accepted Answers:** assignments? How to access 2) In the problem 1, If the sphere absorbs radiation only in the spectral range (0.4 μm to 3 the subjective μm), determine its temperature. Assume the sphere behaves as black body in the given spectral range assignments? 900 K Assignment 0 298 K Week 1 ● 600 K 400 K Week 2 No, the answer is incorrect. Week 3 Score: 0 **Accepted Answers:** Week 4 Week 5 3) Determine the solid angle with which a sphere of radius 1 m is seen from another sphere of 1 point radius 1 cm. Week 6 3.14 x 10⁻⁴ sr Week 7

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