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102 Lecture 11. Geodesics and completeness To prove the second part of the proposition, let □:[0,r]× (□□,□) □ M be given by □(r,s)=exp x(r□(s)), where □(s) □ Sn□1(0) □ TM. Then in T xM, □(s)istangent to a sphere about the origin, and we need to show that the image □ s of this vector is orthogonal to the radial vector □ r: □ rg(□ r,□ s)=g(□

Lecture 11. Geodesics and completeness
Lectures are given by Dr Somnath Basu, IISER Kolkata In this video, the following has been discussed: 1. Geodesics on the surface of revolution.

Lecture 11 (Part 1): Riemannian Geometry (Geodesics on the Surface of Revolution)
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Continuation of the calculation for the geodesics on a surface of revolution.

Lecture 11 (Part 2): Riemannian Geometry (Geodesics on Surface of Revolution Cont.)
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