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Spherical trigonometry is the branch of spherical geometry that deals with the relationships between trigonometric functions of the sides and angles of the spherical polygons (especially spherical triangles) defined by a number of intersecting great circles on the sphere. Spherical trigonometry is of great importance for calculations in astronomy, geodesy and navigation.

Spherical trigonometry - Wikipedia

Spherical Trigonometry is one of those niche subjects that no one ever teaches you, but that at some point you are simply expected to know. The good news is that with the right source of information, the elements of this subject can be mastered within a week.

Spherical Trigonometry - amazon.com

Trigonometry TextBook PDF 180P by Michael Corral File Type : PDF Number of Pages : 180 Description This book covers elementary trigonometry. It is suitable for a one-semester course at the college level, though it could also be used in high schools.

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1 Right Triangle Trigonometry Trigonometry is the study of the relations between the sides and angles of triangles. The word "trigonometry" is derived from the Greek words trigono (τρίγωνο), meaning "triangle", and metro (μέτρον), meaning "measure". Though the ancient Greeks, such as Hipparchus

Trigonometry - mecmath

Ancient Greek and Hellenistic mathematicians made use of the chord. Given a circle and an arc on the circle, the chord is the line that subtends the arc. A chord's perpendicular bisector passes through the center of the circle and bisects the angle.

History of trigonometry - Wikipedia

This note provides an introduction to trigonometry, an introduction to vectors, and the operations on functions. Topics covered includes: New functions from old functions, Trigonometry in circles and triangles, trigonometric functions, vectors.

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In this section we will give a quick review of trig functions. We will cover the basic notation, relationship between the trig functions, the right triangle definition of the trig functions. We will also cover evaluation of trig functions as well as the unit circle (one of the most important ideas from a trig class!) and how it can be used to evaluate trig functions.

Calculus I - Trig Functions

3 Geodesic Math The central angle \hat{I} may be found by knowing the axial angles \hat{I}_1 & \hat{I}_2 at each end of an element. $\hat{I} = 180 - (\hat{I}_1 + \hat{I}_2)$ Chord factor (cf) = the element lengths calculated based on a radius of a non-dimensional unit of one for the spherical form with the end

Geodesic Math - Salsburg

Calculus III. Here are my online notes for my Calculus III course that I teach here at Lamar University.

Despite the fact that these are my "class notes", they should be accessible to anyone wanting to learn Calculus III or needing a refresher in some of the topics from the class.

Calculus III

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