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[11] E. M. Stein And R. Shakarchi, Functional Analysis: Introduction To Further Topics In Analysis, Prince-ton Lectures In Analysis 4, Princeton University Press, Princeton, NJ, 2011, ISBN 978-0-691-11387-6. MR 2827930. Zbl 1235.46001. [12] E. M. Stein And G. Weiss, Introduction 1th, 2024

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40 CHAPTER 4. INTRODUCTION TO HYPERBOLIC GEOMETRY Is On One Side Of ', So By Changing The Labelling, If Necessary, We May Assume That D Lies On The Same Side Of ' As C And C0. There Is A Unique Point E On The Ray B0A0 So That B0E »= BD. Since, BB0 »= BB0, We May Apply The SAS Axiom To Prove That 4EBB0 »= 4DBB0: From The Definitio 4th, 2024

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Points, Lines, And Triangles In Hyperbolic Geometry

10. Angle-Angle Similarity Theorem: If Two Triangles Have Their Corresponding Angles Congruent, Then Their Corresponding Sides Are In Proportion And They Are Similar. 11. Side-Side-Side (SSS) Congruence Theorem: If Three Sides Of One Triangle Are Congruent To Three Sides Of A Second Triangle, Then The Two Triangles Are Congruent. 12. 1th, 2024

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$B = (b;0)$. Let Line $L = Mx + C$ Go Through The Points A And B. Label The Angle Between Line L And The X-axis As α And Denote $\alpha = 180 - \beta$. Now Let Point $P = (x;y)$ Be An Arbitrary Point In The Coordinate System. Note, We Shall Write The Compositions Of Re Ections In Terms Of P. In Order To Get The Rotation RB , 3th, 2024

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1 Angle Sums And Defects In Hyperbolic Geometry Recall The Following Theorem From Hyperbolic Geometry. Theorem: The Sum Of The Measures Of The Angles Of Any Triangle Is Less Than 180. If This Theorem Is True, Then Every Triangle's Angle Sum Falls Short Of 180 By Some Amount. 4th, 2024

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