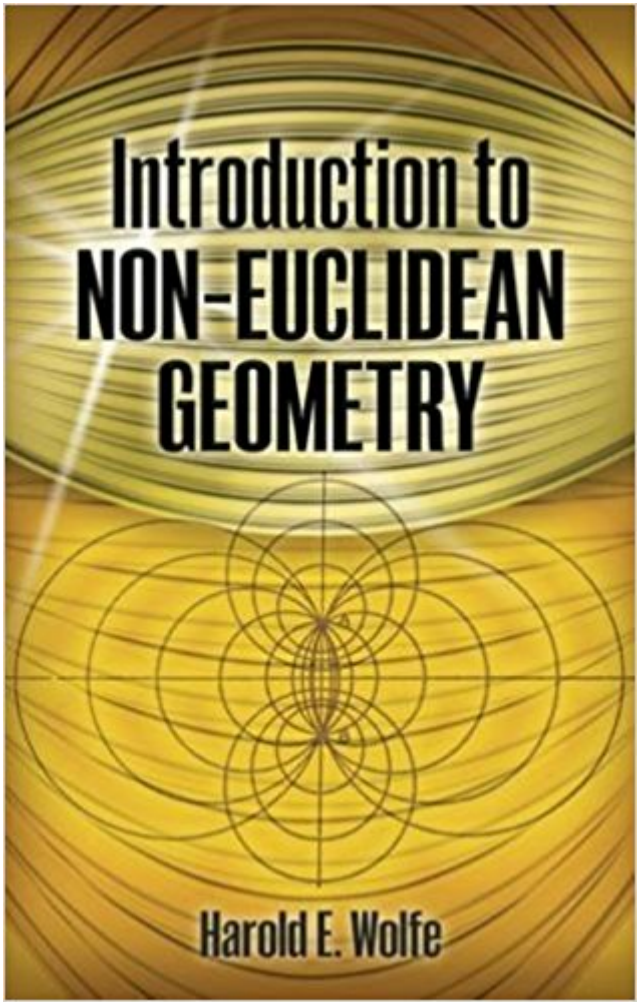
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Introduction To Non-Euclidean Geometry (Dover Books On Mathematics)



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Synopsis

One of the first college-level texts for elementary courses in non-Euclidean geometry, this concise, readable volume is geared toward students familiar with calculus. A full treatment of the historical background explores the centuries-long efforts to prove Euclid’s parallel postulate and their triumphant conclusion. Numerous original exercises form an integral part of the book.Topics include hyperbolic plane geometry and hyperbolic plane trigonometry, applications of calculus to the solutions of some problems in hyperbolic geometry, elliptic plane geometry and trigonometry, and the consistency of the non-Euclidean geometries. Extensive appendixes offer background information on the foundation of Euclidean geometry, circular and hyperbolic functions, the theory of orthogonal circles and allied topics, and the elements of inversion.

Book Information

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Customer Reviews

Harold Wolfe was my college instructor for integral calculus, and he was a remarkable teacher. He always wore a three-piece suite with his Phi Beta Kappa key on full display. To make sure we were paying attention, he would occasionally call on us. When we gave the correct answer, we received a quiet reply like: "Mr. Davis is with us." This calm scholarly approach is apparent in his writing -- unassuming but authoritative. I was a chemistry major who minored in math & physics and recently was reminded by a colleague on Facebook that my old prof had written this great introduction to the subject.

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