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Arthur Buchheim and an Interpolation Formula

Arthur Buchheim was a short-lived mathematician of great promise. He attended the City of London School when Edwin A. Abbott (*Flatland: A Romance in Many Dimensions*) was headmaster. Buchheim received his undergraduate degree from Oxford. He left England for a time to study under Felix Klein in Leipzig. Upon his return, he accepted a position as mathematical master at the Manchester Grammar School. In the short span of seven years, and in deteriorating health, he published twenty-four papers on a wide variety of mathematical topics. Sylvester claimed that "had his life had been spared, I think we may safely say of him what Newton said of Cotes, that if he had lived, we should have known something." We focus our attention on Buchheim's work and accomplishments.