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Colin Bryan Powell McKinney* (cmckinney@bradley.edu), Department of Mathematics, Bradley University, Peoria, IL 61625. *Isaac Barrow's Proof of the Fundamental Theorem of Calculus.*

In his *Geometrical Lectures*, Isaac Barrow gives a very geometric proof of what we now call one version of the fundamental theorem of calculus. I will give the details of his proof and discuss how his version can make the abstract statement of the fundamental theorem more concrete for students. (Received August 11, 2010)