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Radoslav Dimitric* (dimitricr@member.ams.org), P.O. Box 382, Pittsburgh, PA 15230. *Roger Boscovich and the notion of continuity*. Preliminary report.

Roger Boscovich (1711-1787) had a keen interest in continuity for both “practical” reasons (needed in his considerations of body collisions, atomic theories, etc.) and “purely” mathematical reasons. This paper explores his contribution in this area and in particular attempts to answer a question as to whether Boscovich anticipated (or predated) Dedekind in what is nowadays known as the “Dedekind cut.” (Received July 18, 2007)