



Note on C. D. Broad's Article in the July "Mind"

Bertrand Russell

Mind, New Series, Vol. 28, No. 109. (Jan., 1919), p. 124.

Stable URL:

<http://links.jstor.org/sici?sici=0026-4423%28191901%292%3A28%3A109%3C124%3ANOCDBA%3E2.0.CO%3B2-V>

Mind is currently published by Oxford University Press.

Your use of the JSTOR archive indicates your acceptance of JSTOR's Terms and Conditions of Use, available at <http://www.jstor.org/about/terms.html>. JSTOR's Terms and Conditions of Use provides, in part, that unless you have obtained prior permission, you may not download an entire issue of a journal or multiple copies of articles, and you may use content in the JSTOR archive only for your personal, non-commercial use.

Please contact the publisher regarding any further use of this work. Publisher contact information may be obtained at <http://www.jstor.org/journals/oup.html>.

Each copy of any part of a JSTOR transmission must contain the same copyright notice that appears on the screen or printed page of such transmission.

JSTOR is an independent not-for-profit organization dedicated to and preserving a digital archive of scholarly journals. For more information regarding JSTOR, please contact support@jstor.org.

fact that a transfinite ordinal number (of the second class) of lengths may have a total length which is as small as we please. The only connexion which the transfinite cardinal and ordinal numbers have with *distances* seems to be this: Whereas we can always find a *finite* number such that that number of intervals *equal in length to one another*, exceeds any given length, and no finite number of certain intervals (not all of equal length) can produce an interval whose total length is greater than an assigned length; it is always possible to find an ordinal of the second class such that that number of *any* given selection of intervals forms an interval of length greater than any assigned one, and thus the cardinal number Aleph-one of *any* intervals cannot be contained in any line however long.

PHILIP E. B. JOURDAIN.

NOTE ON C. D. BROAD'S ARTICLE IN THE JULY "MIND".

Mr. Broad's very interesting article in the July MIND on "A General Notation for the Logic of Relations" attributes to me (for what reason I cannot guess) a number of notations employed in *Principia Mathematica*. As far as my memory serves me, all these were invented by Dr. Whitehead, who, in fact, is responsible for most of the notation in that work. My original notation, before he came to my assistance, may be found in Peano's *Revue de Mathématiques*, vols. vii. and viii.

BERTRAND RUSSELL.