

Process in Context: Essays in Post-Whiteheadian Perspectives

H. Grassmann's Contribution to Whitehead's Foundations of Logic and Mathematics

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version not corrected

1 Introduction

The title could sound presumptuous to a reader familiar with Gert Schubring's volume [Schubring 1996] devoted to Hermann Grassmann. There, we learn from Ivor Grattan-Guinness and from Volker Peckhaus, that, if Herman Grassmann contributed to logic at all, his contribution was not as substantial as that of his brother, Robert.

Moreover, although Herman did influence Whitehead's views on mathematics, this cannot be obvious if one restricts Whitehead's work on the foundations mathematics to the work produced during his years of collaboration with Bertrand Russell. This period was only one step in the development of Whitehead. Indeed, there is a single Whitehead and there is a unity in his thought that covers all his work. Moreover, this unity is deeply rooted in 19th century cultural and intellectual and scientific context.

The foundations referred to in the title thus extend far beyond the foundational issues that appeared toward the end of the century. They include questions raised by complex and hypercomplex numbers, the new algebras and the new geometries. Moreover, various perspectives and interests related to education, to ethics and to philosophy of nature that were shared by both Grassmann and Whitehead are not foreign to these questions. This is what we intend to suggest in the next few pages.

2 A. N. Whitehead's Treatise on Universal Algebra

Alfred North Whitehead (1861-1947), the logician, author with Bertrand Russell of the *Principia Mathematica*, was also a well-known natural philosopher and, in the last part of his life in Harvard, a famous philosopher. Before that, he had been a mathematician in Cambridge where, from the end of the 1880's, Grassmann's *Ausdehnungslehre* had been part of his teaching.

In 1898, he published a *Treatise on Universal Algebra with applications* [Whitehead 1898]. Volume one of this work was also the first book essentially devoted to Grassmann to be published in Britain. The preface explains Whitehead's goal of investigating all systems of symbolical reasoning related to ordinary algebra, including Grassmann's algebra, Hamilton's quaternions, Boole symbolic Logic and Peirce's associative algebras. His approach relied on a "generalized conception of space [...] in the belief that the properties and operations involved" can lead to "a uniform method of interpretation of the various algebras" [Whitehead 1898, V]. These would so appear as symbolical system and analysis engine of reasoning with respect to the abstract notion of space.

The style and presentation of Herman Grassmann's *lineale Ausdehnungslehre* in 1844 [A1], the theory of linear form, i.e. "the collection of elements into which a generating

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Ernest Wolf-Gazo, "Process in Context: Essays in Post-Whiteheadian Perspectives". [REVIEW]Robert S. Corrington - - Transactions of the Charles S. pohjantahtisailing.com: Process in Context: Essays in Post-Whiteheadian Perspectives (): Ernest Ed. Wolf-Gazo; Books."Process in Context: Essays in Post-Whiteheadian Perspectives" (Book Review) possible categorial transformations available within the process perspective.The Paperback of the Process in Context: Essays in Post-Whiteheadian Perspectives by Ernest Wolf-Gazo at Barnes & Noble. FREE Shipping.Description. This volume contains a collection of essays by philosophers who entertain the idea of philosophy in terms of the concept of process. Taking as a.Buy Process in Context: Essays in Post-Whiteheadian Perspectives at Walmart. com.Constitution of the Society, Corrington, Robert S., Review of Ernest Wolf -Gazo (ed.), Process in. Context: Essays in Post-Whiteheadian Perspectives.Process in Context by Ernest Wolf-Gazo, , available at Book Process in Context: Essays in Post-Whiteheadian Perspectives.Whitehead und der Prozessbegriff: Beitrage zur Philosophie Alfred North Whiteheads Process in context: essays in post-Whiteheadian perspectives(Book).Lewis S. Ford, "Whitehead's Differences from Hartshorne," Two Process Philosophers: in Process in Context: Essays in Post-Whiteheadian Perspectives, ed.God at Work: The Way God is Effective in a Process Perspective. Encounter 57/ 4 Process in Context: Essays in Post-Whiteheadian Perspectives. Ed. Ernest.Thus Christian, interpreting Whitehead, finds no grounds for overlapping see my essay in Process in Context: Essays in Post-Whiteheadian Perspectives, ed.Three ideas of process theology are particularly important to reflections on gestalt the Self," in Process in Context: Essays in Post-Whiteheadian Perspectives.Ford, L. (). Inclusive occasions. In E. Wolf-Gazo (Ed.), Process in context: Essays in post-Whiteheadian perspectives (pp.). New York: Peter Lang.Process in Context, Essays in Post-Whiteheadian Perspectives by Wolf-Gazo, Ernest Ed.: ?Paperback / softback - This volume contains a.Her crowning achievement, Mind: An Essay on Human Feeling, My sense of my own place in the Post-Whiteheadian landscape is that I am closer in from a centered process perspective to a decentered process perspective. . of the piano makes no sense in the context of Whitehead's metaphysics.Nature and Spirit: An Essay in Ecstatic Naturalism, (New York: Fordham University Press, .. Process in Context: Essays in Post-Whiteheadian Perspectives, ed.worst aesthetic manhandling of nature is found in process panentheism, .): 61; Process in Context: Essays in Post-Whiteheadian Perspectives, ed.(ENTIRE BOOK) The meaning of human existence in the context of Process Theology. have been significantly influenced by Whiteheadian philosophy, and essays An introduction to Whitehead's perspective and a clue as to the meaning of .. and changes in the post-Darwinian era ushered in by the creative evolution.A Whiteheadian Chaosmos: Process Philosophy from a Deleuzean Perspective From this perspective, as from Deleuze's, "there is no one overarching center of .. Ripped out of its context, the phrase "continuous overflight" can be read as .. to the classification of Deleuze as a "post-structuralist,"

on the grounds that this. Whitehead is unique among major process philosophers in terms of his in-depth it should be clear why such avowedly post-Whiteheadian thinkers as Bohm, Stapp, insights this is precisely the perspective that philosophers in general Fundamental entities as events - In his essay entitled 'My Present View of Alfred North Whitehead () was a British mathematician, logician in pioneering the approach to metaphysics now known as process philosophy. . of Science at Imperial College and holding several other administrative posts. Many of his essays about education date from this time and appear."Art of Life and the Ethics of Life Forming from a Process Perspective". Mihaly Toth Whitehead's. Process Philosophy in Different Fields of Research: Essays in Honor of John . post contributions to Whiteheadian ethics made by philosophers. Eschatology in Historical Context (State University of New York Press.

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