

1026-01-218 **Thomas Drucker*** (druckert@uww.edu), Department of Mathematical and Computer Sci.,
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Foundations*. Preliminary report.

The state of the foundations for the calculus when Euler came to the subject was shocking, by later standards. The absence of a foundation did not weigh heavily on the discipline's practitioners, although there was a readiness to point out shortcomings in the approaches of others. There have been attempts to argue that Euler's foundation for the calculus could be squared with a nonstandard approach to the real numbers. Perhaps it would be fairer to say that Euler was taking a minimalist approach that could be squared with a variety of approaches. This talk will look at whether Euler's approach reflects an antiphilosophical attitude or an attitude perhaps more in keeping with some contemporary philosophical views. (Received February 27, 2007)