

1135-01-1880 **Craig Fraser*** (craig.fraser@utoronto.ca), IHPST, University of Toronto, Victoria College, 91 Charles St. West, Toronto, Ontario M5S 1K7, Canada. *Euler and Mathematical Rigor*. Preliminary report.

Euler is sometimes seen as a mathematician who was motivated primarily by mathematical discovery and exploration. While there were implicit assumptions and principles that informed his work, he was not a critical mathematician in the modern sense. On the other it would be inaccurate to say that he was simply naive as a mathematical thinker. There are places in his vast corpus where he explicitly considers questions of mathematical rigor, and the nature and value of proof. The paper looks at some examples and considers what we can infer from them concerning his understanding of rigor. (Received September 25, 2017)