Kevin Iga* (kiga@pepperdine.edu), Pepperdine University, 24255 Pacific Coast Hwy., Natural Science Division, Malibu, CA 90263. What does mathematical terminology say about linguistic determinism?

The question of whether our notation determines our understanding of mathematical concepts is part of a more general controversy in the study of linguistics: that of linguistic determinism, sometimes called the Sapir-Whorf hypothesis, which posits that features of language can have an effect on what kinds of thoughts are possible, or which are more easily accepted or understood. I will survey the history of this hypothesis and summarize a range of current views. Then I will look at a few cases in the history of development of mathematical notation, and explore how these examples can contribute to our understanding of the Sapir-Whorf hypothesis. (Received September 23, 2018)