

1145-L5-1687 **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)