

SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO TIME IN RED MILLIPEDES *CENTROBOLUS* COOK, 1897

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Abstract- Sexual size dimorphism (SSD) was previously shown to change with time in red millipedes. Because SSD was related to female second polar moments of inertness we can expect second polar moments of inertness to also vary with time based on these two premises.

It was shown that SSD varies with time in the genus *Centrobolus* [1]. SSD has also been shown to relate to female second polar moments of inertness [2]. By deduction female second polar moments of inertness should vary with time. This is evidence for evolution of (female) body size in this genus.

- [1] M. Cooper. Does sexual size dimorphism vary with time in red millipedes *Centrobolus* Cook, 1897? International Journal of Zoological and Entomological Letters 2022; 2(1): 30-35.
- [2] M. Cooper. (FEMALE) SECOND POLAR MOMENTS OF INERTNESS ARE RELATED TO SEXUAL SIZE DIMORPHISM IN FOREST RED MILLIPEDES *CENTROBOLUS* COOK, 1897. International Journal of Engineering Science Invention Research & Development. 2023; 10(2): 24-36. http://www.ijesird.com/aug_2023_2.pdf.