

1116-T1-544 **Pablo Duran*** (pduran@utexas.edu), Austin, TX 78703. *The Use of Mathematics in EEB and Developmental Biology: A Content Analysis*. Preliminary report.

The results of a study on the mathematics in use in the areas of ecology, evolution and behavior and developmental biology will be presented. This study consisted of a content analysis of peer-reviewed publications in these areas. A sample of highly cited articles published during the last 15 years was considered. The analysis focused on identifying the main mathematical and statistical tools used, as well as the most common problems for which these tools were used. Implications of the results of the study on the development of the undergraduate biological sciences curriculum as it relates to mathematics will be discussed. (Received September 06, 2015)