

1154-35-1366 **L. M. Chasman*** (chasmanm@morris.umn.edu). *Vibrating Plates and Eigenvalues of the Bi-Laplacian.*

Many interesting problems involving low eigenvalues of the Laplacian can be generalized to their fourth-order counterpart the Bi-Laplacian, often with the addition of a parameter representing some physical quantity such as tension or compression. In this talk, we consider recent work on a Bi-Laplacian (plate) eigenvalue problem in comparison with the methods of the corresponding Laplacian (drum) problem. (Received September 15, 2019)