This talk will outline the analysis of eigencurves associated with a triple \((a, b, m)\) of continuous symmetric bilinear forms on a real Hilbert space \(V\) that arise in the study of self-adjoint linear elliptic equations. Variational characterizations of associated eigencurves, as well as various orthogonality results for corresponding eigenspaces, are described. Regularity and asymptotic properties for these eigencurves are discussed. These results lead to a geometrical description of the eigencurves, and the results are exemplified for two-parameter Robin-Steklov eigenproblems for the Laplacian. (Received September 11, 2016)