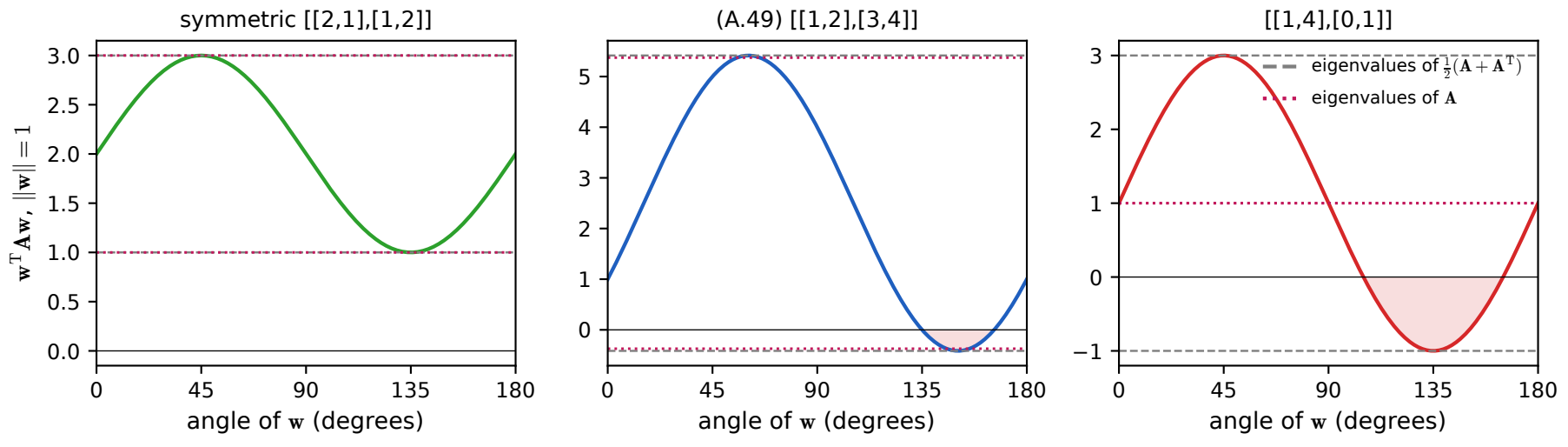

symmetric [[2,1],[1,2]]
(A.49) [[1,2],[3,4]]
[[1,4],[0,1]]
$\mathbf{w}^{\mathrm{T}}\mathbf{A}\mathbf{w},\ \|\mathbf{w}\| = 1$
angle of $\mathbf{w}$ (degrees)
angle of $\mathbf{w}$ (degrees)
angle of $\mathbf{w}$ (degrees)
eigenvalues of $\frac{1}{2}(\mathbf{A}+\mathbf{A}^{\mathrm{T}})$
eigenvalues of $\mathbf{A}$