Perplectic Eigenproblems

Symmetric Persymmetric Example

These pictures show the structure-preserving algorithm in action on a matrix that is symmetric about both diagonals. In this case the structured canonical form is an "X" (see Section 7). The color scale is logarithmic with reds representing entries with the largest magnitudes (on the order of 1), ranging through yellows (1e-5) and light blues (1e-10) to dark blues representing those with the smallest magnitudes (1e-15). Finally, black represents entries with magnitudes below machine epsilon (about 2.204e-16).