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Review text: Linear equation (A - s I)x = b with an n by n matrix A, variable s and with a quadratic constraint (we require that the usual norm of the solution vector x is equal to one) degenerates to the current eigenvalue problem at b=0. The author studies the general case with non-zero b. After a short summary of motivation and background the author relates the "inhomogeneous eigenvalues" s (of A, with respect to b) to the spectrum and pseudospectrum of A and gives the necessary and sufficient condition of existence of a real inhomogeneous eigenvalue s in a way which generlizes some older results. He recalls the numerical methods of evaluation of pseudospectra and adapts them to the problem in question. The resulting predictor-corrector curve-tracing algorithm is finally tested using a real Grear matrix A.