Variational Principles for Eigenvalues of the Klein–Gordon Equation

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In this talk we consider eigenvalues of the Klein–Gordon equation, which can be written as a quadratic eigenvalue problem. Under certain assumptions the continuous spectrum has a gap and we can characterise eigenvalues in this gap even in the presence of complex eigenvalues. As a consequence we can compare these eigenvalues with eigenvalues of certain Schrödinger operators.