

Variational Principles for Eigenvalues of the Klein–Gordon Equation

M. Langer
joint work with C. Tretter

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.