

# Séminaire de mathématiques et leurs applications

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**Titre:** Stable determination of two coefficients in a dissipative wave equation from boundary measurements.

**Résumé:** In this talk we are concerned with the inverse problem of determining both the potential and the damping coefficient in a dissipative wave equation from boundary measurements. We build a method combining an observability inequality together with a spectral decomposition. We also apply this method to a clamped Euler-Bernoulli beam equation. Finally, we indicate how the present approach can be adapted to a heat equation.