

1046-60-2042

Tim S.T. Leung* (timleung@jhu.edu), 302 Whitehead Hall, 3400 N Charles St, Johns Hopkins University, Baltimore, MD 21218. *Exponential Hedging with Optimal Stopping and Static-dynamic Hedging.*

We study the problem of hedging early exercisable (American) claims with respect to exponential utility within a general incomplete market model. This leads us to construct a duality formula involving relative entropy minimization and optimal stopping. We further consider claims with multiple exercises, and static-dynamic hedges of American claims with other European and American options. (Received September 16, 2008)