Resumé:
The real Hardy space H^1 plays an important role in harmonic analysis as a substitute for the space L^1. A local version, h^1, defined by Goldberg, allows for functions with less cancellation and is suitable for analysis on a manifold or in a domain. This talk will discuss properties of this space and then show several nonhomogeneous versions of the div-curl lemma of Coifman, Lions, Meyer and Semmes, with h^1 replacing H^1 as the target space.