

**GEOP 415**  
**SPRING 2010**  
**HW # 5**  
(Due on 24/5/2010)

1. Search the literature for the analytical form of the Berlage wavelet.
2. What are the parameters controlling the phase of Berlage wavelet?
3. Generate plots of the following three Berlage wavelets:
  - a. Min-phase
  - b. Mixed-phase
  - c. Max-phase