

Figure 1. Ridge topography

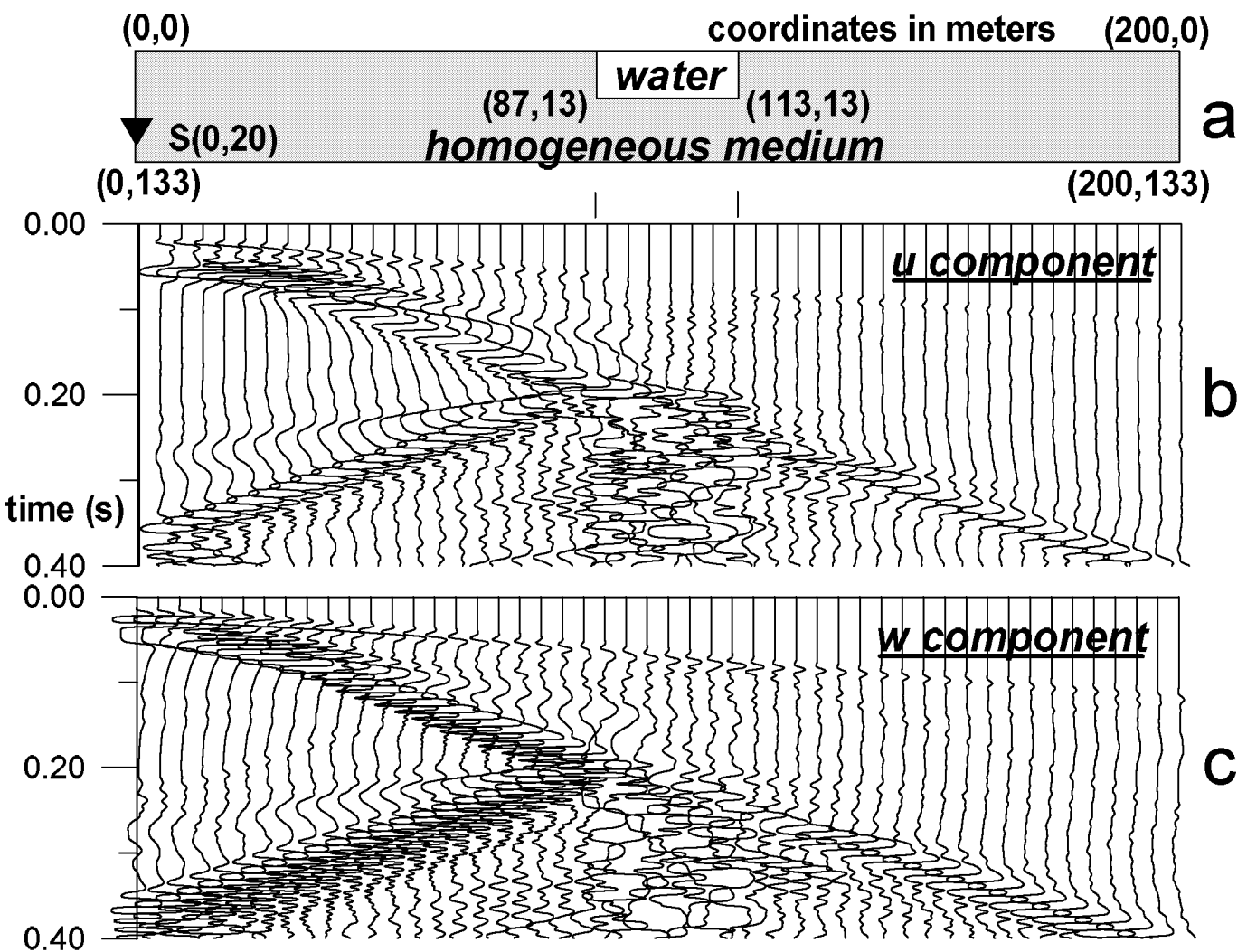
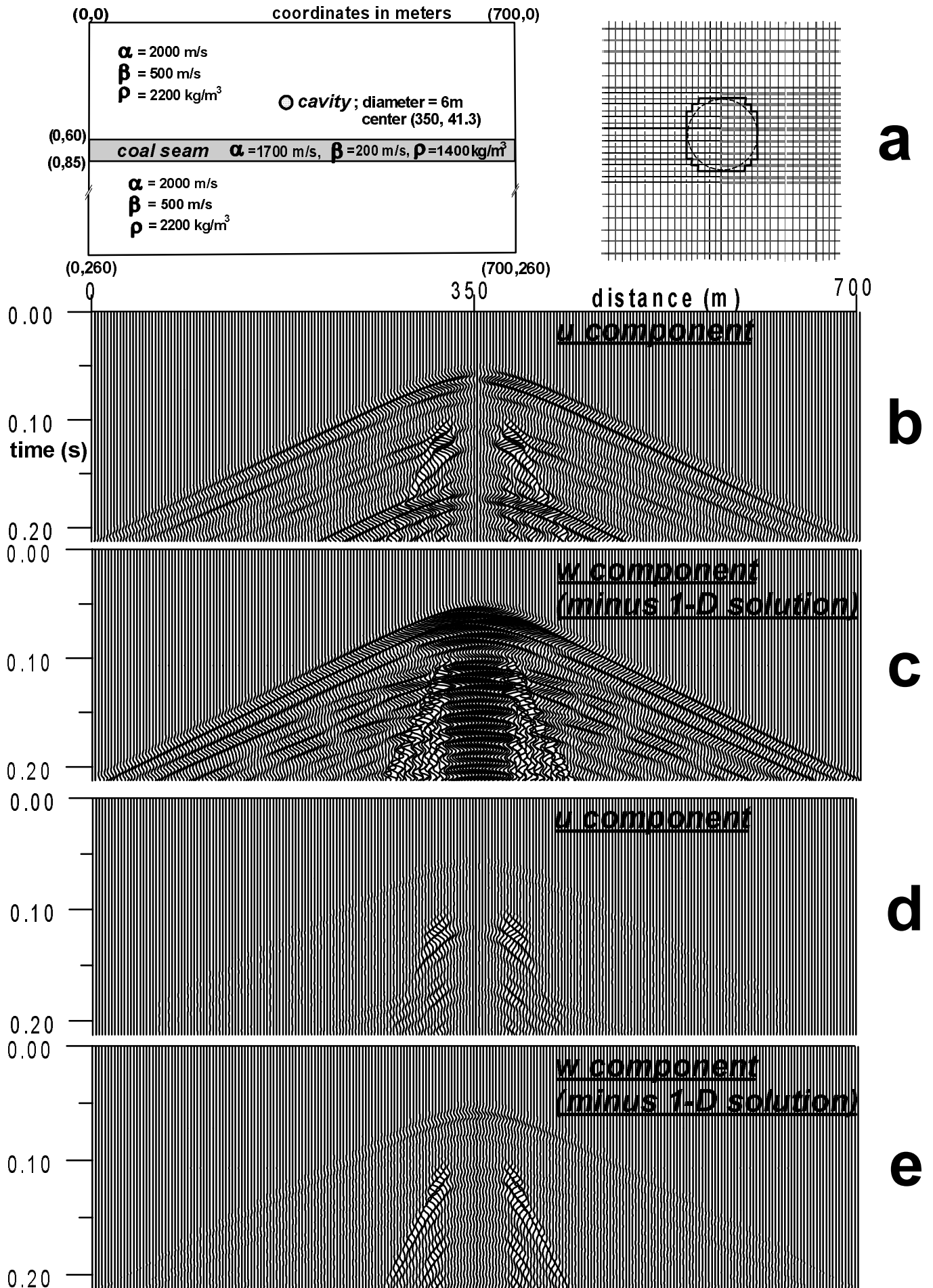
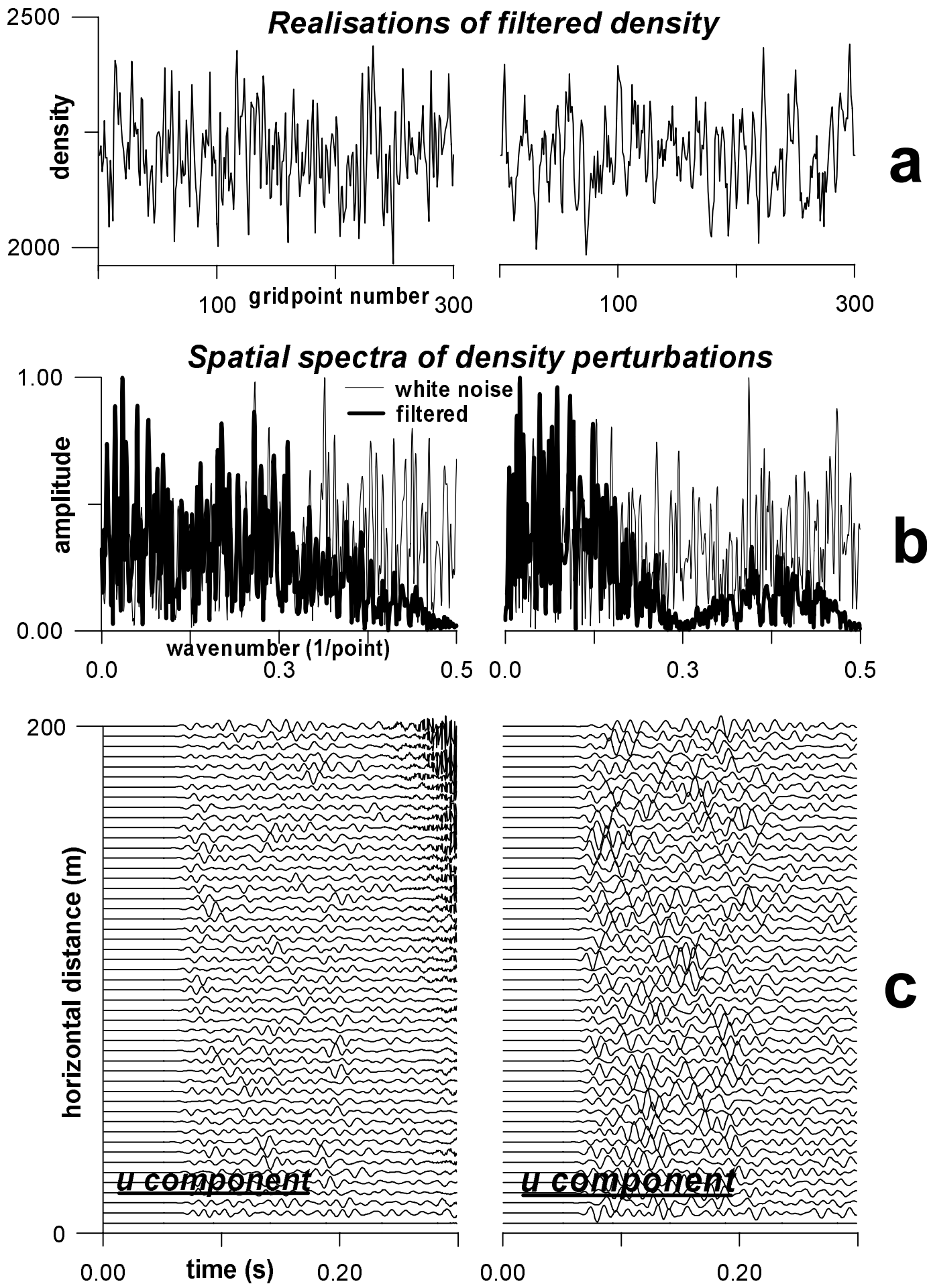


Figure 2. Water basin in solid medium



**Figure 3. Underground cavity and coal seam**



**Figure 4. Homogeneous model with perturbed parameters**