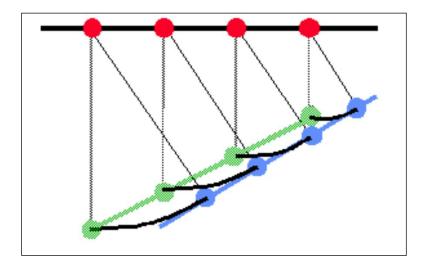
Chapter 7

Figures

Figure 7.a





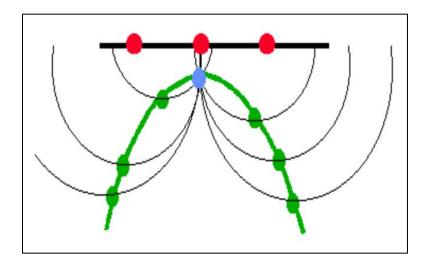
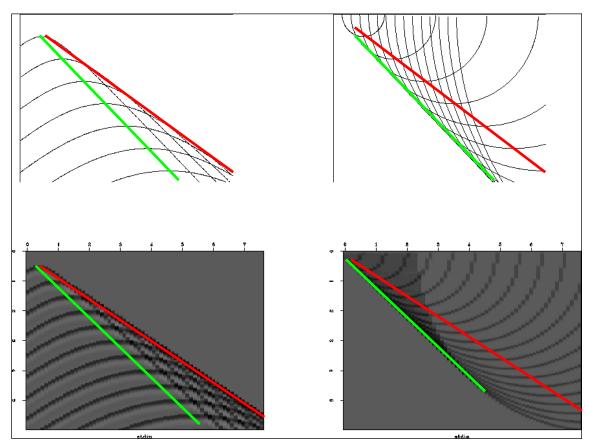


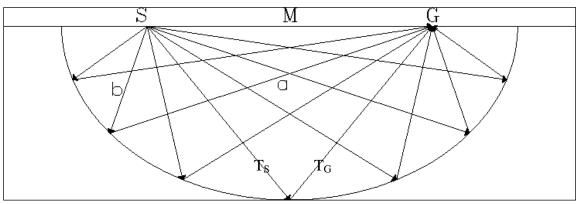
Figure 7.1



Left is a superposition of many hyperbolas. The top of each hyperbola lies along a straight (green) line. That line is like a reflector, but instead of using a continuous line, it is a sequence of points. Constructive interference gives an apparent (red) reflection off to the side. Right shows a superposition of semicircles. The bottom of each semicircle lies along a (red) line that could be the line of an observed plane wave. Instead the plane wave is broken into point arrivals, each being interpreted as coming from a semicircular mirror. Adding the mirrors yields a more steeply dipping (green) reflector (sepwww.stanford.edu).

Unmigrated Migrated





Prestack migration ellipse, the locus of all scatterers with constant traveltime (T_S+T_G) for source S and receiver G (sepwww.stanford.edu).

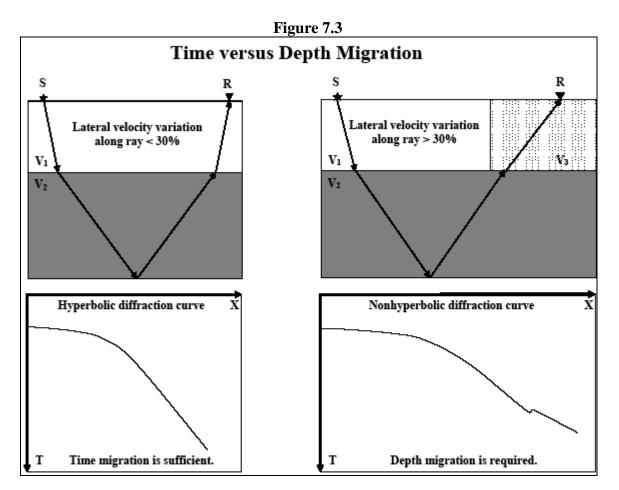
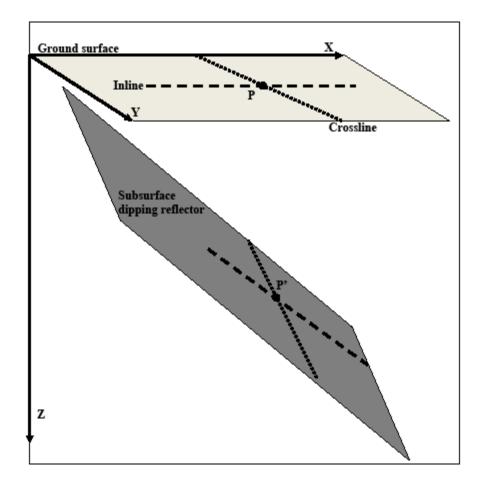
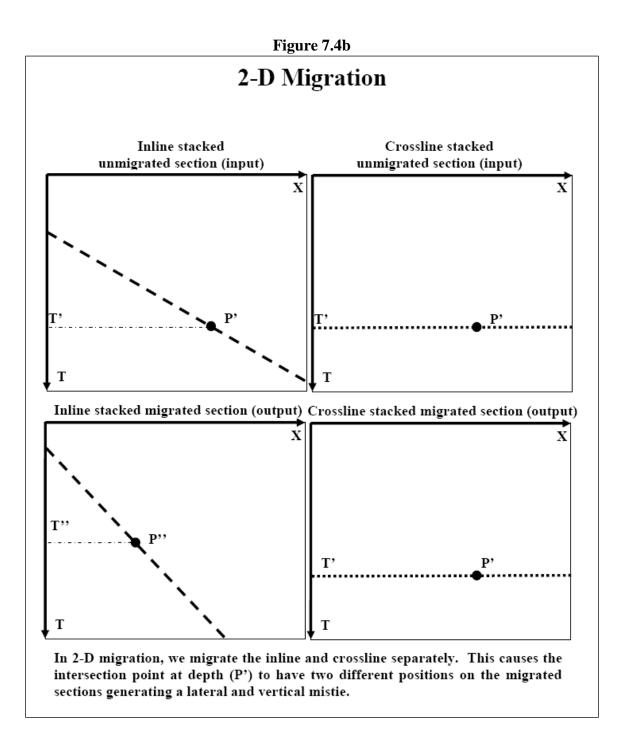
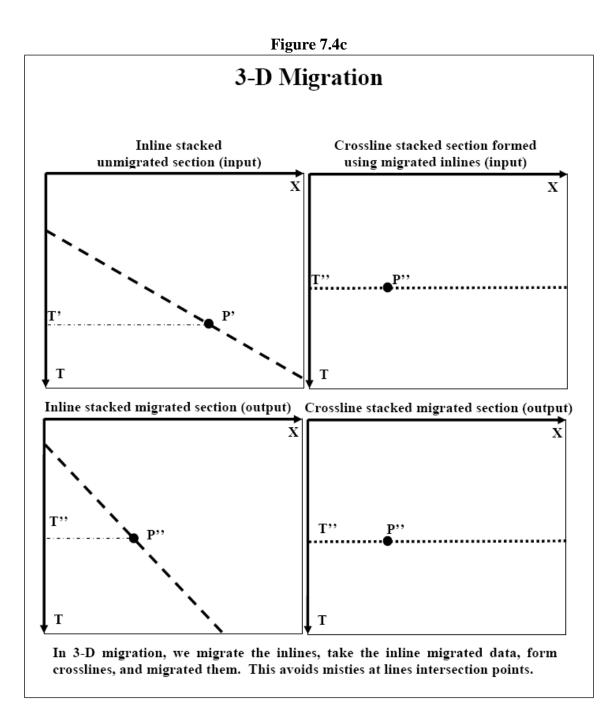
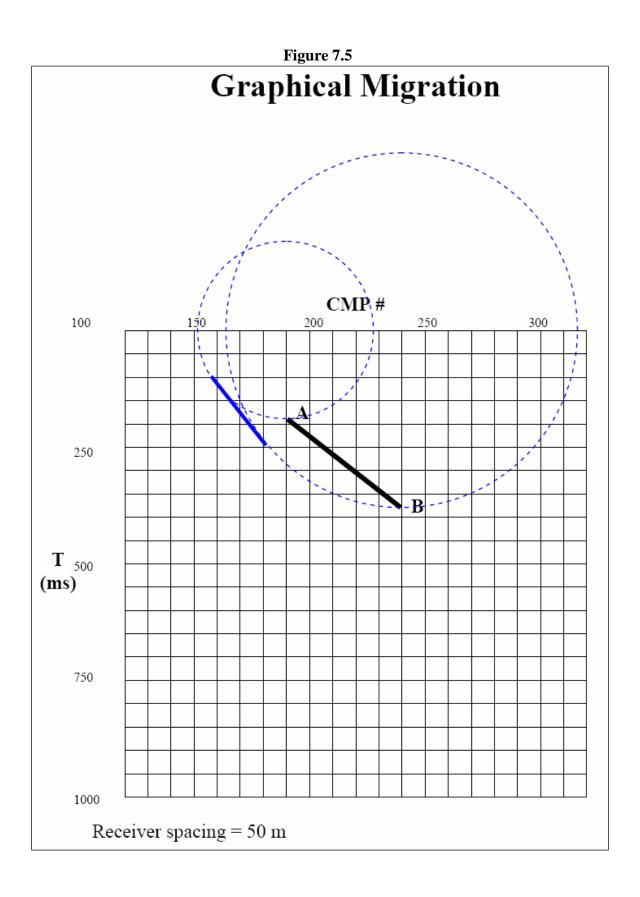


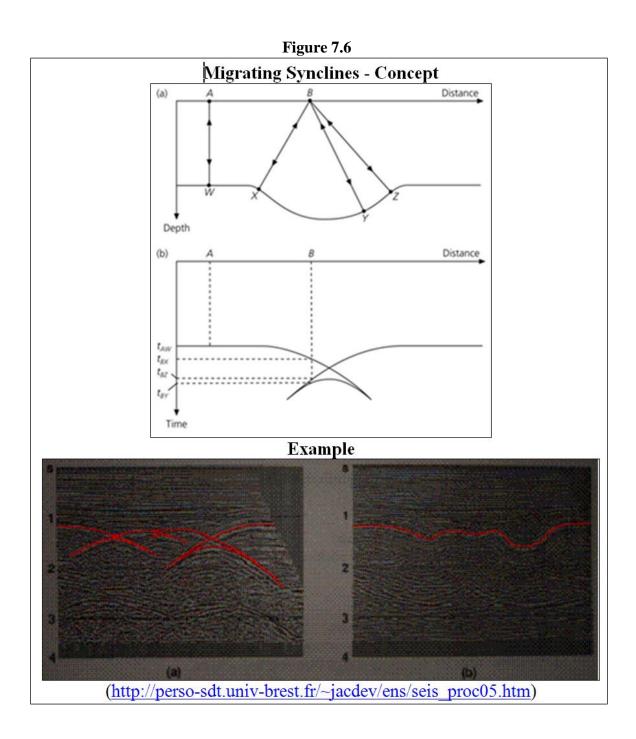
Figure 7.4a Migration Mistie











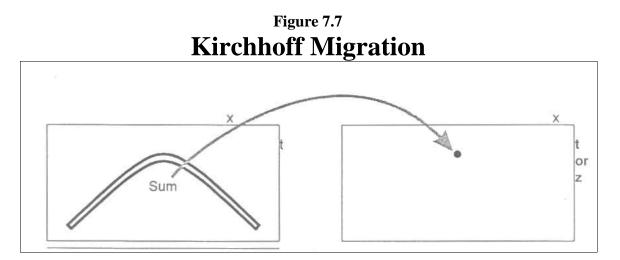
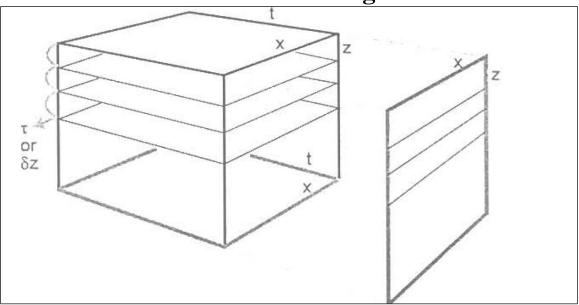
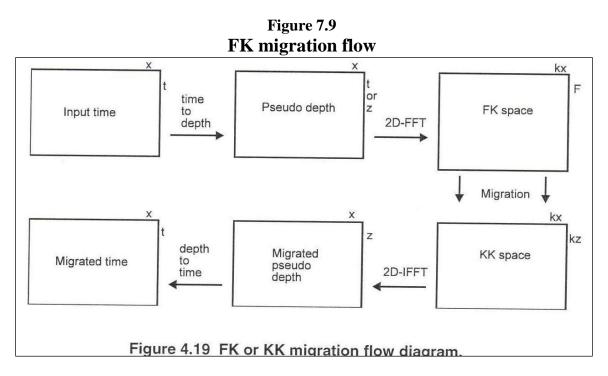
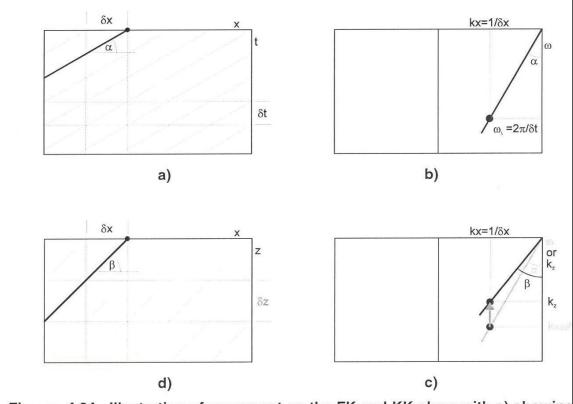


Figure 7.8 Finite-Difference Migration





FK migration kernel



Figures 4.24. Illustration of movement on the FK and KK plane with a) showing dip model, b) the FK transform, c) the KK migrated data, and d) the resultin migration on the (x, z) plane.