



FIGURE 7.3.2 Nodal curves for modes of a vibrating rectangular membrane.

The series in (7.3.28) is an example of what is called a **double Fourier series**. Instead of discussing the theory, we show one method to calculate  $A_{nm}$  from (7.3.28). (In Section 7.4 we will discuss a similar method for calculating the coefficients of a double Fourier series.)