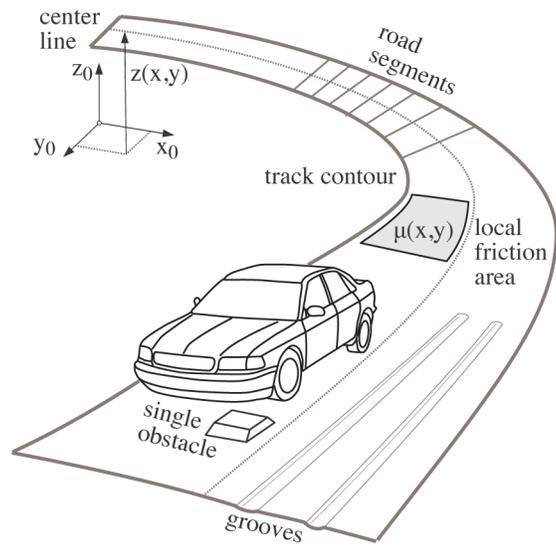


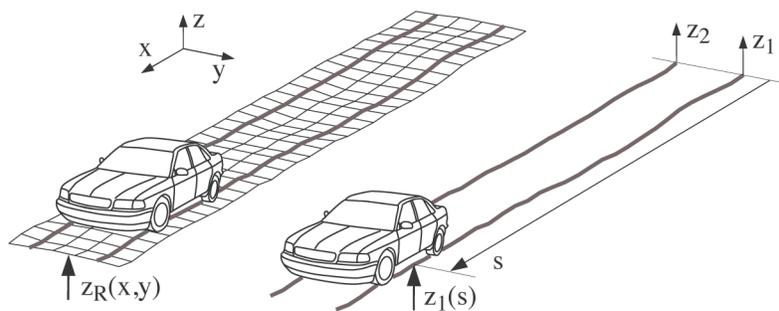
**FIGURE 2.1**

Sophisticated road model.



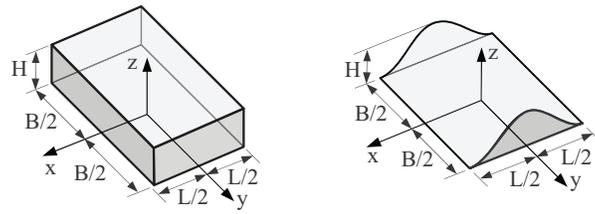
**FIGURE 2.2**

Parallel track road model.



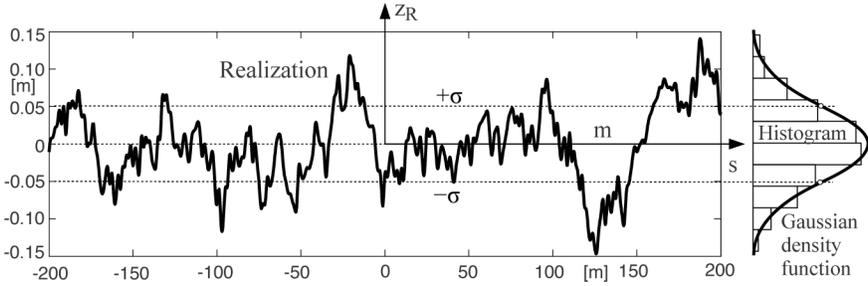
**FIGURE 2.3**

Rectangular cleat and cosine-shaped bump.



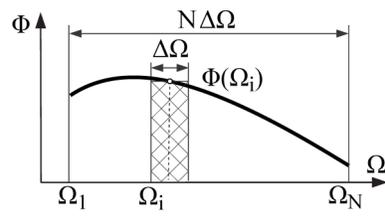
**FIGURE 2.4**

Road profile and statistical properties.



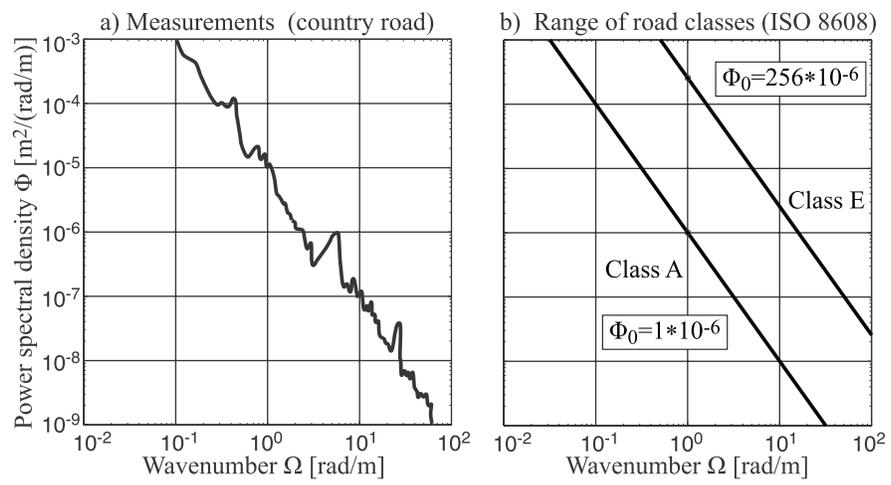
**FIGURE 2.5**

Power spectral density in a finite interval.



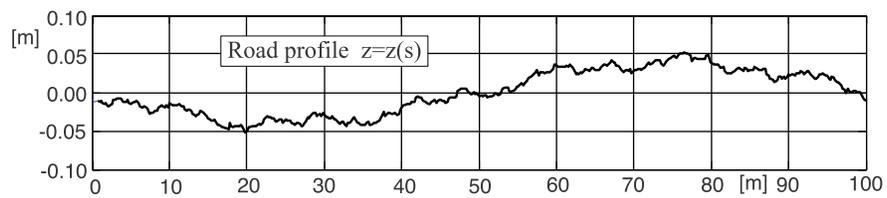
**FIGURE 2.6**

Road power spectral densities: (a) Measurements [3], (b) classification.



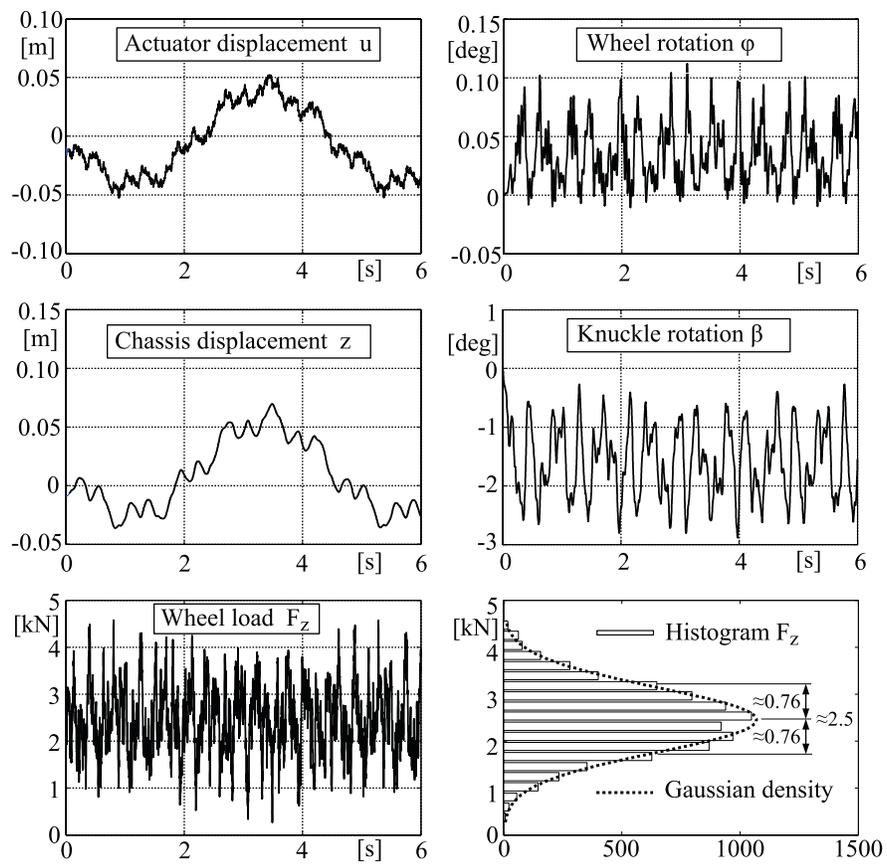
**FIGURE 2.7**

Realization of a country road.



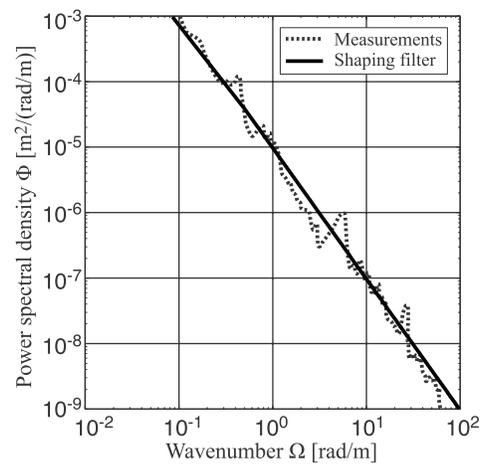
**FIGURE 2.8**

Simulation results with a pseudo-random excitation.



**FIGURE 2.9**

Shaping filter as approximation to measured psd.



**FIGURE 2.10**

Two-dimensional road profile.

