

Figure 1: A schematic of spinal column and lumber spine

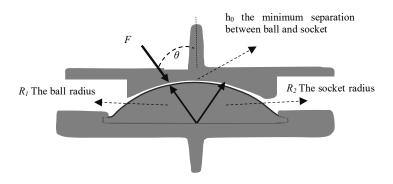


Figure 2: Schematic depiction of spine joint

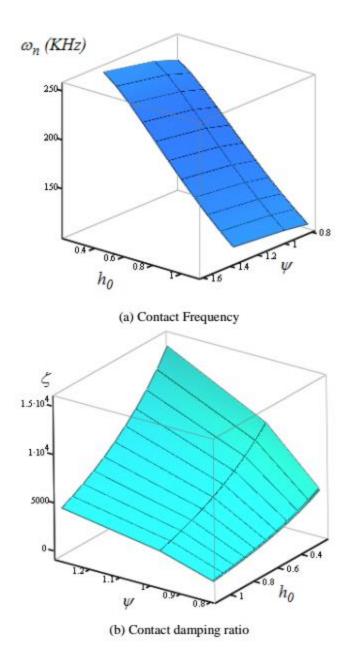


Figure 3: natural frequency and damping ratio of contact model