Models to predict impact sound transmission of lightweight floors. A Literature survey

To develop new types of lightweight wall and floor structures it is important to increase the knowledge of the transmission and radiation processes for such structures. To do so, detailed models based on deterministic and statistical assumptions may form a valuable tool. In lightweight floor structures, impact sound insulation is perhaps the most important factor to consider. This paper gives an overview of various solution strategies that may be useful in finding a prediction model for impact sound insulation.