Modeling and analysis of loop wheel

Loop wheels are wheels with internal suspension, which gives comfortable ride which can and can fell less vibration. Loops wheels have a suspension between hub and rim of the wheel which provides suspension. The spring also absorbs road noises, reducing vibrations through the frame and into the riders arm. Because of the suspension system within the wheel can use high pressure or puncture resist tyres.

in this paper we generate the model of loop wheel and perform the analysis in solid works premium 2014.