



Floor Vibration Analysis System 'Yureizer III'

- Outline of 'Yureizer III' -

Recently, with the introduction of new construction methods, offices, logistics facilities, commercial facilities, and hospitals with large column-free spaces have been increasing. These spaces are desirable for building users, but can cause issues with floor vibration. 'Yureizer III' is software that analyzes floor vibration. In the design stage of new buildings or renovations, floor vibrations can be checked easily using this software, and it can also help deliver an optimal design.

- Characteristics & advantage -

- Engineers can analyze floor vibrations easily, using an intuitive input system.
- This software uses the FEM method to model a structure accurately. It supports: Non-square slab, opening of slab floor, hybrid beam system.
- Analysis results can be displayed as various evaluation diagrams, modal shape((2D, 3D), animations etc. – so that users can immediately understand the vibration characteristics

(1) Data input

Walking load (Movement)
Floor opening

(2) Analysis

Modelling

(3) Result output

Figure of waveform

Evaluation of habitability

Vibration modal shape, (2D)

Vibration modal shape, animation