Let’s Learn the Earthquake Response of Bridges Comparing with the Tone of String Instruments

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- **Number of Students**: 6 maximum
- **Time**: Second Semester, Tuesday, 5th Class Time (to be discussed for later classes)
- **First Class and Place**: October 8 (Tuesday), 16:40～, at Room 301, Civil Engineering and Architecture Education and Research Building (F01), Aobayama Campus

**Outline**

In recent years, 2011 Tohoku Earthquake and 2016 Kumamoto Earthquake caused destructive damage to civil engineering structures including bridges and buildings, and affected the damaged area seriously.

*How do the structures on the ground behave during earthquakes? What is the effective measure to strengthen such structures?*

Vibrational characteristic of structures is similar to that of the string instruments including pianos and guitars. Comparing those, *shall we study the structural behavior?*