

## 9. The Judgment on Compaction Degree of Dam Concrete by the Transition of Sound Pressure made from Compaction Equipment

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As a purpose of improvement on quantity and reduction of green cut volume concerned with dam concrete, authors developed a method of quantitative judgment on compaction of concrete.

This method was aimed at transition of sound pressure made by the compaction equipment. Neural Network theory applied to Algorithm of judgment on end of compaction by recognition a pattern of sound pressure.

From the result of actual proof used system of judgment on compaction, this system was confirmed to apply to practical construction.

**Key words** : concrete ,compaction degree, compacting method, sound pressure