Background:
The present ACI 318 Building Code requires a 24 hour load test. It is time consuming and it utilizes an acceptance criterion based only on the maximum measured deflections. It can be used as a uniformly distributed load or a concentrated load.

Background:
The present ACI 318 Building Code requires a 24 hour load test. It is time consuming and it utilizes an acceptance criterion based only on the maximum measured deflections. It can be used as a uniformly distributed load or a concentrated load.

Conclusions:
The rapid cyclic load test permits a:

- more economic test;
- real time monitoring of acceptance criteria;
- reliable rating of the structure.