

Research Interest May 2017

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My research interest is to use analyze structural models and mathematical models for obtaining ANN artificial intelligent algorithms .

My first project is to develop a ANN algorithm for manual analysis of structures. For this proposes, we modeled and analyzed 3 diffent groups of concrete buildings with 4 stories, 8 stories and 12 stories . In our models span lengths vary from 3.5 to 6.5 meters, we obtain all possible Moment diagrams, and then are applying ANN tools to develop an algorithm for all the results that we get.

My second study is observing lateral force effects on different heights of minarets with local assumptions. For this study we modeled and analyzed 3 different minaret types used in North Cyprus. We are planning to compare Turkish code TS 498, Euro codes and and American codes for this purpose .Than, develop an idea for Designers which code is can be used in North Cyprus for this type of buildings.