ENGLISH SUMMARY

Häkkinen, Tarja, Kanerva, Pekka, MECHANICAL AND HUMIDITY TECHNICAL PROPERTIES
OF PLASTER

The article presents the results of the research on the structural properties
of plaster, performed at the Helsinki University of Technology during the years
1981 - 83. Besides the mechanical properties also the humidity technical properties
are dealt with. The possibilities to regulate the composition of plaster and the
influence of composition on the properties of plaster are dealt with.

Tuominen, Pentti, ON THE ANALYSIS OF PLANAR FRAMES BY THE FINITE DIFFERENCE
METHOD

The paper deals with the use of finite differences in computing planar frames.
As a result a calculation method is introduced. An example of the application of
this method is given. The connection of the method with the finite element method
is discussed. This gives a possibility to use equilibrium equations in the dif-
ference form for numerical calculating of stiffness coefficients of frame members.
As an example stiffness coefficients of some straight frame beams with variable
cross sections are determined. Some possibilities for enlarging the work are
shortly discussed.