

STUDYING THE DECAY KINETICS
OF AN OXYGEN SOLID SOLUTION
IN Cz-Si SPECIMENS AT THEIR SQUEEZING

O.V. Mykhalyuk, M.M. Novikov, P.O. Tesel'ko

Taras Shevchenko Kyiv National University,
Faculty of Physics
(2, Academician Glushkov Ave., Bld. 2, Kyiv 03680,
Ukraine; e-mail: peter@univ.kiev.ua)

S u m m a r y

Three-crystal X-ray diffractometry (TCD) was used to study the decay kinetics of an oxygen solid solution in silicon crystals grown by the Czochralski method (Cz-Si) and subjected to squeezing. The squeezing stress applied to specimens in the course of their isothermal annealing was found to enhance the decay rate of an oxygen solid solution in Cz-Si.