

SOME EFFECTS CONNECTED  
WITH ELECTRON-DEFORMATION  
INTERACTION

*R. M. Peleschak, B. A. Lukiyanets*<sup>1</sup>

I. Franko Drogobych Pedagogical University  
(34, I. Franko Str., Drogobych, Lvivs'ka Obl. 79720,  
Ukraine) ,

<sup>1</sup>State University 'Lvivs'ka Politechnika'  
(12, Bandera Str., Lviv 79013, Ukraine)

S u m m a r y

The distribution of intercalated (diffused) atoms in layered crystal obtained in consequence of the solution of the equation of forced diffusion and of the self-consistent solution of the system of equations describing electron-deformation interaction is investigated. Both mechanical strain of host crystal due to the intercalant and generated by them the electronic component of the strain were taken into account. It is shown that electronic subsystem counteracts to spread of intercalant into depth of crystal.