

THE PHOTOLUMINESCENT PROPERTIES
OF THIN PbWO₄ FILMS

O. M. Bordun, A. T. Stetskiv

Ivan Franko Lviv National University
(50, Dragomanov Str., Lviv 79995, Ukraine)

S u m m a r y

The photoexcitation spectra and spectra of photoluminescence of thin PbWO₄ films are investigated. The separation of the luminescence spectra into elementary components by the Alentsev - Fock method is carried out. The spectra of photoluminescence of thin PbWO₄ films consist of three bands with maxima of about 2.8, 2.35 and 1.75 eV. The band of luminescence with the maximum in the region near 2.35 eV is a superposition of two close bands. The interpretation of separate bands is presented.