

University of Baghdad

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Thesis Title	Development of Software Based on (Judd-Ofelt) model for Spectral Characteristic Measurement of Solid Laser Media		
Year	٢٠٠٤-٦-١٧		
Abstract	<p>This research include the following :</p> <ol style="list-style-type: none"> 1- performing the process for interfacing to the spectra measurement system with the computer system by utilizing serial port (RS232) to secure the best media for data transferring by applying the (no-line) approach to guarantee accuracy in measurement. 2- Writing the software concerning the interface process for the implementation of the theoretical model stages (Judd-Ofelt)model to reach out to the final values of the measured model. 3- Employment of the mathematical model for calculating the spectra parameter to three sample (different rate doping) from different host (Borate&Borophosphate) and compared with the previous literature to specify the model efficiency before used in the laser system. 		