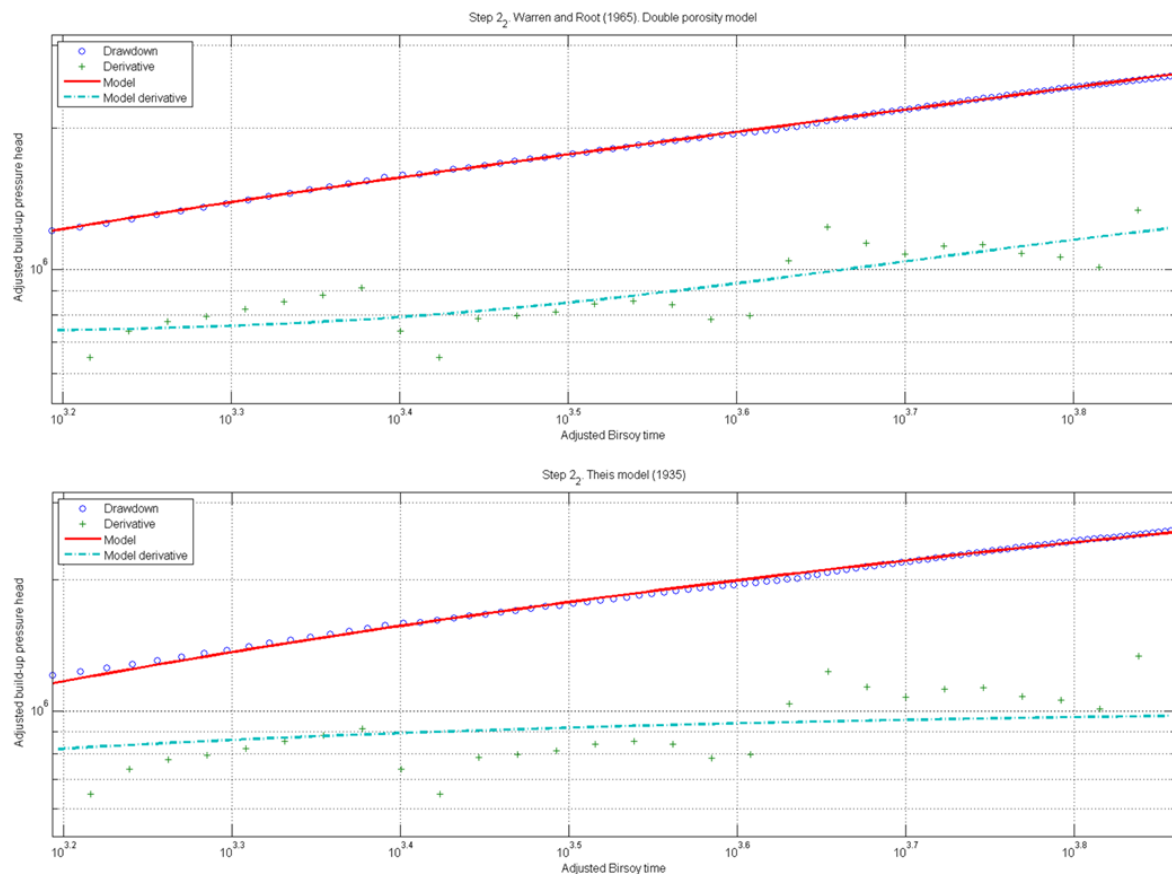


Advanced study course

Automatic interpretation of pumping tests

Client: Technical University of Catalonia (UPC); Instituto Geológico y Minero de España (IGME)

Keywords: Pumping/injection tests, model calibration, interpretation



Summary: Interpretation of pumping tests is the main tool to gain knowledge on aquifer parameters (e.g., hydraulic conductivity, storativity, etc). They are also the only tool to get information on well or borehole quality. The inference of hydraulic parameters from direct measurements acquired during a pumping or injection test is not an easy task and requires a thorough knowledge of aquifer conditions amongst others. This course introduces modern automatic interpretation techniques and software that facilitate this task.