

Review of: “Analytical drawdown solution for steady state pumping tests in two-dimensional isotropic heterogeneous aquifers” by Zech and Attinger

In my first review of this paper I raised some concern about the scientific novelty of the mathematical framework presented in this work, which is just a particularization of a more general analytical solution provided by the same authors in a previous publication (Zech, A., Schneider, C. L., & Attinger, S. (2012). *The Extended Thiem's solution: Including the impact of heterogeneity. Water Resources Research, 48(10)*). Yet, I saw the ground for an interesting technical publication, as the framework provided here could potentially be applied in real applications. So, I suggested the authors to focus on the application to single realizations and to draw importance to the part of the paper where the solution is tested against the ensemble mean.

The authors have carefully taken into account my comments and expanded the analysis of single tests to high heterogeneity realizations. Moreover, as I suggested, the authors have extended the analysis of single tests by evaluating the results of the entire ensemble. The authors have also provided convincing explanation on the utility of the section focused on the ensemble pumping test interpretation.

I think that this revised version of the manuscript has substantially been improved and that my major comments have been thoroughly addresses. Thus, I think that the paper is worth of publication.