

## ***Interactive comment on “A pipe network simulation model with dynamic transition between free surface and pressurized flow” by J. Fernández-Pato and P. García-Navarro***

### **Anonymous Referee #1**

Received and published: 11 March 2014

Dear authors,

Thank you for your quick response to the issues raised in my review of your paper. I feel some of your points require a reaction from my side, as you appear to focus on the engineering/science, whereas my concerns are more on the presentation side:

1+2) The (historical) reason for your paper being submitted to DWES does, in my opinion, not relieve you of the obligation to consider the audience of the journal. The most commonly used hydraulic network models used in the drinking water community exclusively consider fully filled pipes. Therefore, a large part of the DWES audience will not be (intimately) familiar with the equations and methodology you present, and

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therefore also unable to see at a glance what is novel about your approach. Also, I think you need to lecture them (and me) on the Drinking Water problems in which using your model provides answers which simpler approaches cannot, i.e. why your model is relevant for Drinking Water Engineering and Science.

3) I understand that anybody can look up the original articles and compare the results, but common practice is to present results of a new methodology with published benchmark results in a single diagram, so that the reader can immediately see the quality of the new results (either as an illustration or as a validation).

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