

Supplementary Material

A Soltani, M Azimi, A Boroomandnia and BC O'Kelly

An Objective Framework for Determination of the Air-Entry Value from the Soil–Water Characteristic Curve

Worked examples demonstrating the implementation of the proposed AEV determination framework to a typical experimental $S:\psi$ SWCC dataset (for a silty soil with liquid and plastic limits of $LL = 20.5\%$ and $PL = 14.5\%$) reported in Uchaipichat and Khalili [21] are provided in **Figure S1**. Note that the accuracy of the deduced AEV is dependent on the fitting performance of the SWCC fitting function $F(\psi)$ — that is, fitting equations with higher R^2 and lower RMSE values are expected to produce more reliable AEVs.

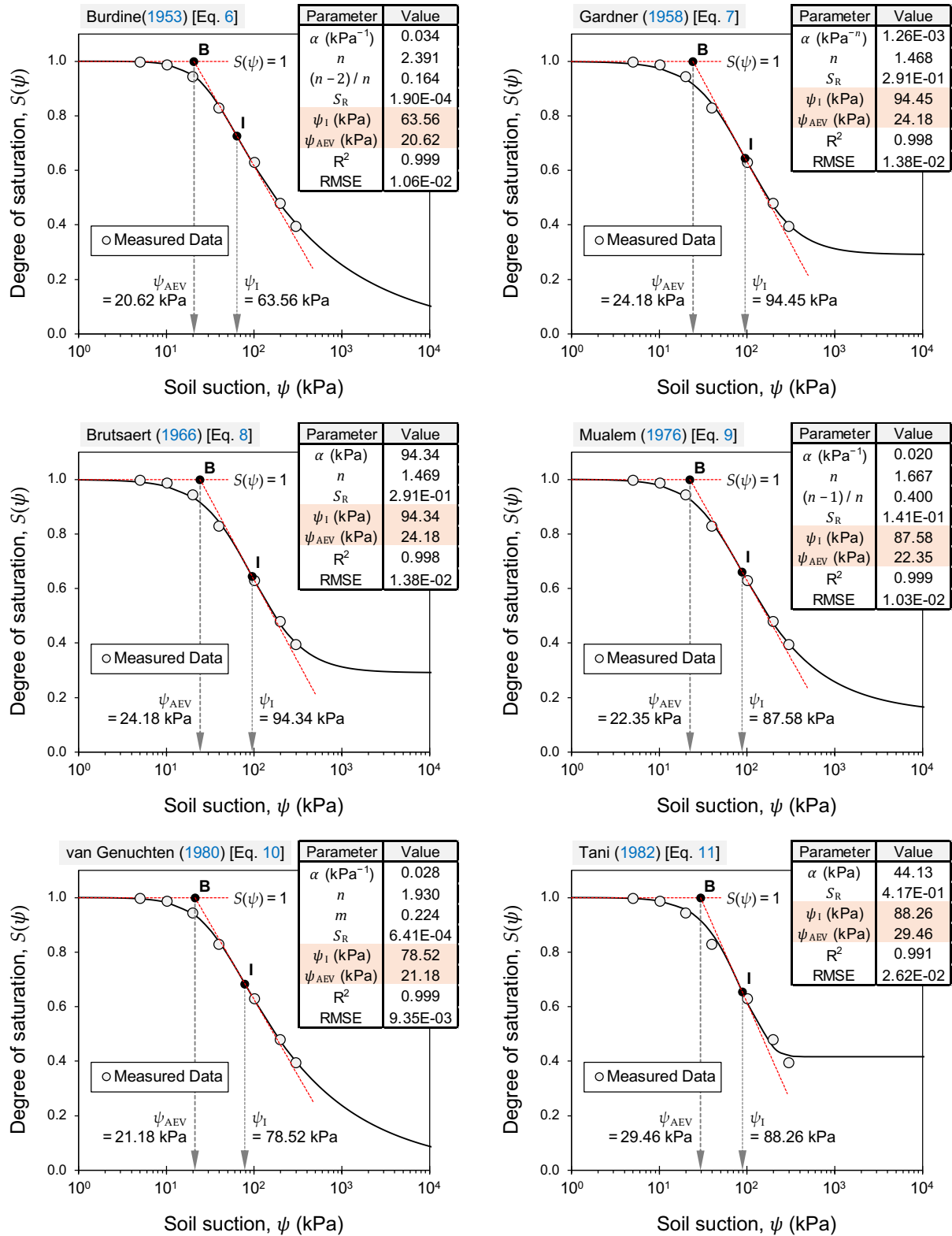


Figure S1. Continued.

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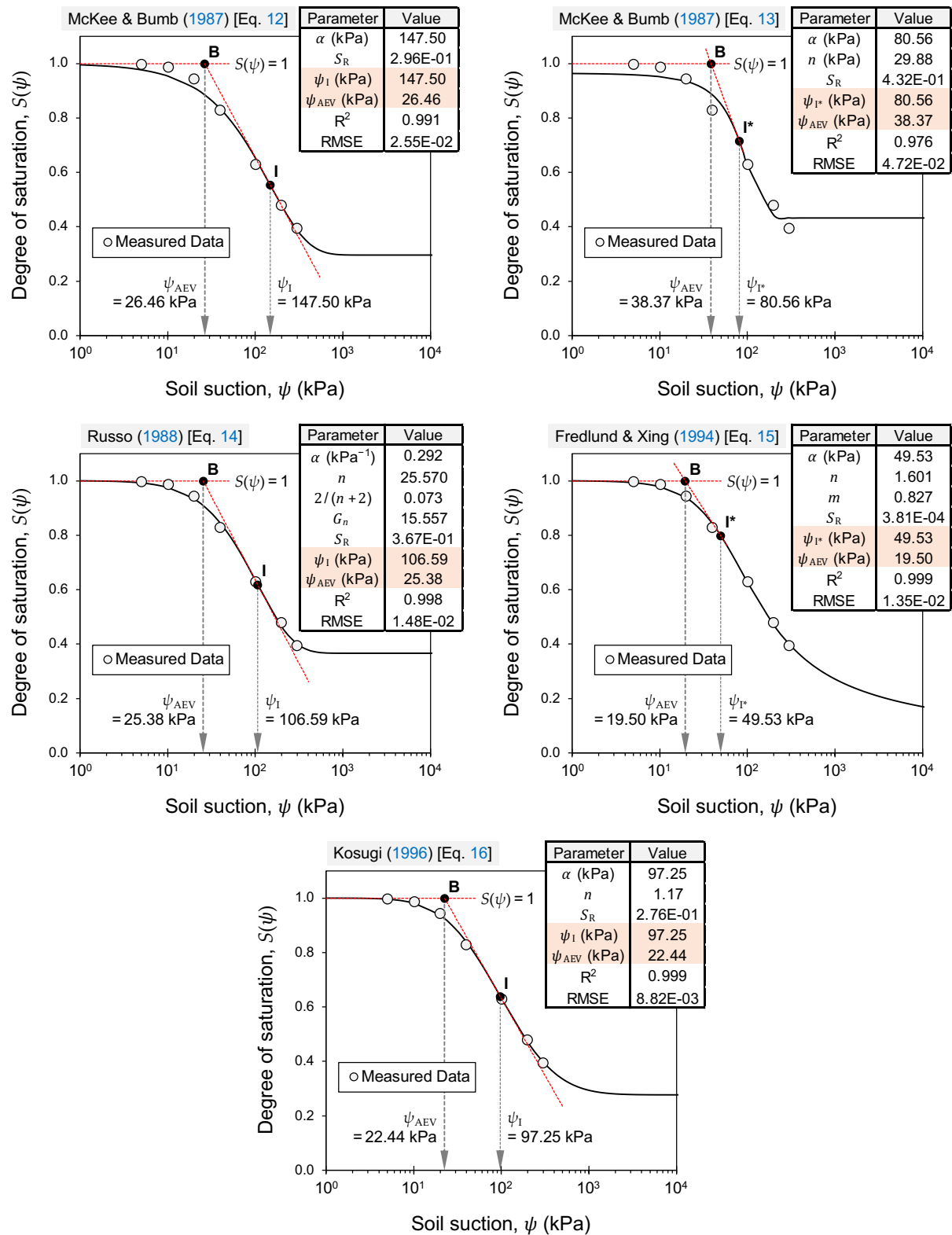


Figure S1. Worked examples demonstrating the implementation of the proposed AEV determination framework (for the eleven SWCC models investigated) to a typical experimental $S:\psi$ dataset.