

Supplement of “Simulating liquid water distribution at the pore scale in snow: water retention curves and effective transport properties”

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Description

The folder ‘Supplement_data’ contains 7 .csv files gathering the data presented in this study:

- **drainage.csv** The computed values of liquid pressure head h (m) and water content θ_w (-) during drainage simulations for each snow sample.
- 5 – **imbibition.csv** The computed values of liquid pressure head h (m) and water content θ_w (-) during imbibition simulations for each snow sample.
- **VGparameters_drainage.csv** The values of the VG parameters deduced from the drainage simulations for each snow sample, including α_{VG} (m^{-1}), n_{VG} (-), θ_r (-), ρ ($kg\ m^{-3}$), d (m) and IQR_{MC} (mm^{-1}).
- **VGparameters_imbibition.csv** The values of the VG parameters deduced from the imbibition simulations for each
10 snow sample, including α_{VG} (m^{-1}), n_{VG} (-), ρ ($kg\ m^{-3}$), d (m) and IQR_{MC} (mm^{-1}).
- **conductivity_drainage.csv** The computed effective conductivity ($W\ m^{-1}\ K^{-1}$) for each snow sample and each water content θ_w (-).
- **water_permeability_drainage.csv** The computed effective water permeability (m^2) for each snow sample and each water content θ_w (-).
- 15 – **diffusivity_drainage.csv** The computed effective diffusivity (-) for each snow sample and each water content θ_w (-).