Erratum: Translation of field tracer-test results into bounding predictions of matrix diffusion in the shallow subsurface at Idaho National Laboratory, USA

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The definition of R_m on p.1035 (section *Considerations for sorbing solute transport*) is incorrect. Specifically, the α in the expression should be replaced with ϕ (matrix porosity). α is defined a few lines earlier, and it includes R_m , so the use of α in the definition of R_m is confusing (recursive) and incorrect. The correct definition of R_m is:

R_m = retardation factor in matrix or stagnant porosity

$$= 1 + \frac{\rho_B}{\phi} K_d,$$

Also, Fig. 4 incorrectly refers to ϕ_m as the matrix porosity. This is inconsistent with the rest of the manuscript, where

matrix porosity is referred to as ϕ . The correct figure is presented here.

Fig. 4 Fracture and matrix geometry assumed in the RELAP model

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