pyDiffusionFDM Regression Tests

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1 diffusionCoupon

This test essentially performs a 1-D diffusion coupon experiment. Dirichlet B.C. at x=0Neumann (no-flux) B.C. at x=L.

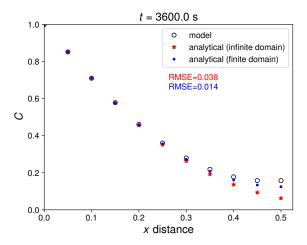


Figure 1: Comparison of concentration profiles to two analytical solutions, one with semi-infinite domain and one with a finite domain using a summation of image sources.

Add more info later...

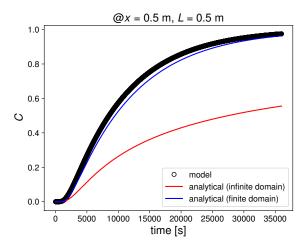


Figure 2: Comparison of breakthrough curves to two analytical solutions, one with semi-infinite domain and one with a finite domain using a summation of image sources.