Karlstad Applied Analysis Seminar (2024)

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Mathematical modeling of the adsorption of

ntaminant concentration as it passes through the column and a kinetic equation to account for the reaction process where contaminant attaches to an adsorbent material within the column. I will demonstrate how simple mathematical techniques can lead to solutions which accurately match experimental data. Along the way I will demonstrate how previous, long-accepted solutions contain errors and can be highly inaccurate, hopefully proving the power of applied mathematics!