Analytical Modeling of Solute Transport in Groundwater: Using Models to Understand the Effect of Natural Processes on Contaminant Fate and Transport
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DESCRIPTION

Teaches, using simple analytical models how physical, chemical, and biological processes in the subsurface affect contaminant transport

- Uses simple analytical models to demonstrate the impact of subsurface processes on the fate and transport of groundwater contaminants
- Includes downloadable modeling tool that provides easily understood graphical output for over thirty models
- Modeling tool and book are integrated to facilitate reader understanding
- Collects analytical solutions from many sources into a single volume and, for the interested reader, shows how these solutions are derived from the governing model equations

ABOUT THE AUTHOR

Mark Goltz is a well-known authority in the field of hydrogeology and subsurface contaminant transport and remediation. He is Distinguished Professor Emeritus of Engineering and Environmental Management at the Air Force Institute of Technology, where
he conducted research into the fate and transport of groundwater contaminants and contaminated groundwater remediation technologies. He has published numerous works in these areas.

Junqi Huang is a hydrologist in the Ground Water and Ecosystems Restoration Division, National Risk Management Research Laboratory, US EPA. He is an experienced hydrogeological modeler, with expertise developing models for groundwater flow and transport, groundwater management, and contaminated groundwater remediation strategies.

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