

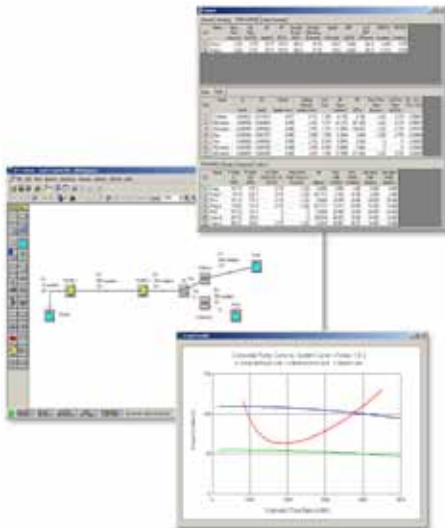


AFT Fathom Slurry

Settling Slurry Modelling for AFT Fathom 7.0



Slurry systems present unique challenges in the world of hydraulic system design and simulation. Failure to accurately account for slurry properties, changing concentrations and pump performance effects can lead to plugged pipes, misapplied pumps, increased energy usage, reduced system performance and increased operating and maintenance costs.



The *AFT Fathom*™ Settling Slurry (SSL) module addresses the unique challenges of settling slurry system design by bringing the extensive capabilities, flexibility and ease-of-use of *AFT Fathom* to bear to these unique engineering challenges.

Using state-of-the-art correlations to predict the flow, pressure drop and reduced pump performance when pumping solids, the *AFT Fathom* SSL module let's you –

- Enter properties of solids particles and optionally keep these in a reusable and sharable database.
- Include slurry pump de-rating using either the Warman or ANSI/HI methods.
- Display special output reports with i_{mr} , j_{mr} , settling velocity, slurry volume and mass flows and other slurry specific parameters.
- Quickly evaluate multiple design and operating cases using Scenario Manager.

Specifying slurry properties can be complex and details are not always known so that the *AFT Fathom* SSL module provides multiple levels of specification detail.

The Minimal method can be used in the preliminary design phase where only rough data are available, the Simplified method where additional slurry details are known provides increased accuracy and the Detailed method using the most detail and providing the most rigorous solution methodology.

From new system design to modification or expansion of an existing system to simulating system operation, *AFT Fathom* with the SSL module provides you the capabilities and flexibility you need in this complex arena of hydraulic analysis.



www.ferncc.com
sales@ferncc.com
Telephone: +44 (0)1332 780790
Fax: +44 (0)1332 780788



Applied Flow Technology
Dynamic solutions for a fluid world.™

- Generate special slurry system curves, critical to understanding important system velocity limits.