



Applied Flow Technology
Dynamic solutions for a fluid world.™

Pipe Flow Modeling Seminars

- **AFT Fathom™**
- **AFT Arrow™**
- **AFT Impulse™**

These seminars will cover how to model fluid flow in piping systems.

Subject matter will include theoretical principles, implementation, features, and methods used by *AFT Fathom*, *AFT Arrow* and *AFT Impulse*.

Attendees will build models of practical systems in each seminar to further their understanding of the modeling process.

WHO SHOULD ATTEND?

- Engineers responsible for pipe system design and/or analysis
- Current users of AFT software who want to deepen their understanding of the software and theory
- New users interested in an overview
- *AFT Fathom* users who want to know more about the *Add-on Modules*
- Engineers who wish to better understand AFT software for purchasing decisions

2012 Schedule Colorado Springs, CO, USA

AFT Fathom	August 13-14, 2012 November 12-13, 2012
AFT Impulse	August 2012 - TBD November 2012 - TBD
AFT Arrow	November 2012 - TBD

AFT Fathom 7.0

Incompressible Flow in Pipes

- Hydraulic Theory
- Newton-Raphson Solution Method
- Understanding Solution Control
- Modeling Pumping Systems
- Sizing Pumps and Control Valves
- Modeling Systems with Heat Transfer
- Using Scenario Manager
- Creating and Using Custom Databases
- Troubleshooting *AFT Fathom* Models
- Introduction to *Fathom Add-on Modules*

AFT Arrow 4.0

Compressible Flow in Pipes

- Fundamental Equations of Compressible Flow
- Network Solution Methodology
- Understanding Solution Control
- Sizing Control Valves
- Modeling Systems with Heat Transfer
- Modeling Real Gasses
- Understanding Sonic Choking
- Modeling Systems with Gas Mixing
- Troubleshooting *AFT Arrow* Models

AFT Impulse 4.0

Water hammer in Pipe Systems

- Water hammer Theory & Solution Methodology
- Understanding Surge Communication Times
- Defining Time & Event Based Transients
- Modeling Transient Cavitation
- Surge Suppression Equipment

Location

Seminars are held at AFT's Colorado office which is located about 30 minutes from the Colorado Springs Airport and about 1 ½ hours from Denver International Airport. Colorado Springs is located at the base of Pikes Peak along the front range of the Rocky Mountains. A multitude of recreational opportunities are available for those planning an extended stay.

Upon receiving your seminar registration form, we will send you a confirmation along with directions, a map and hotel suggestions.

Reference material will be provided for you to keep. Software and computers are provided for your use during the seminar.

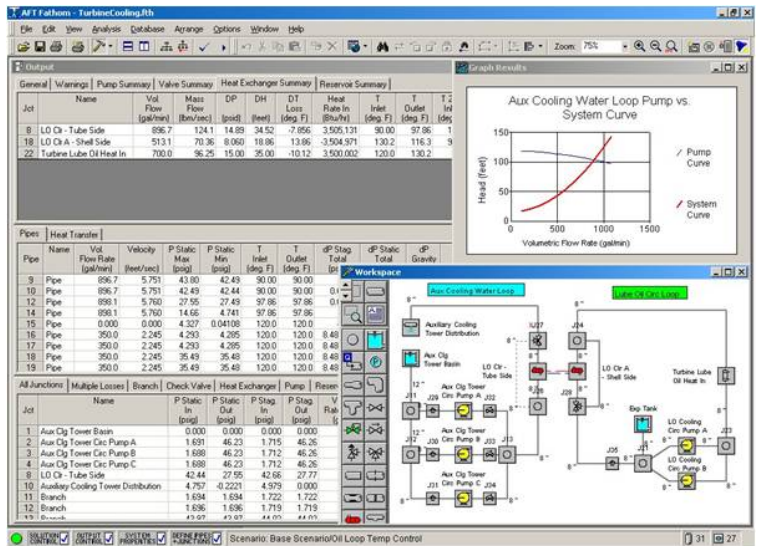
Registration Fees

SUM Subscribers

- \$900** AFT Fathom (2 days)
- \$900** AFT Arrow (2 days)
- \$1350** AFT Impulse (3 days)

Non-SUM Subscribers

- \$1000** AFT Fathom (2 days)
- \$1000** AFT Arrow (2 days)
- \$1500** AFT Impulse (3 days)



Registration

To reserve a seat, call us at 800-589-4943 or complete this form and mail it with a check, purchase order or credit card info to the address at right:

Name: _____

Company: _____

Address: _____

City, State & Zip: _____ Country: _____

Phone: _____ Fax: _____ Cell: _____

Subjects Attending: _____

Dates Attending: _____

Amount Enclosed: _____ Purchase Order Number: _____

Visa/MC/AMEX #: _____ Exp. Date: _____

Signature: _____ Credit Card ID Code: _____

Cancellation Policy

Cancellations will be accepted, without charge, up to 10 working days before the first seminar day. The full registration fee will be charged for any cancellations made less than 10 working days before the first day of the seminar.

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