

# References

**This section** provides additional information and references for XPSWMM and XPStorm. Click the link below for more information on that topic.

- [Configuration Keywords](#)
- [Mannings n Roughness Coefficients - Closed Conduits](#)
- [Mannings N Roughness Coefficients - Open Channel](#)
- [Real Time Control Examples](#)
- [Roughness Coefficients](#)
- [Sample Output File](#)
- [SWMM Theory](#)
- [EXTRAN Theory - Dynamic Wave Solution](#)
  - [Partial Differential Equations](#)
  - [Finite Difference Equations](#)
  - [Implicit Time Weighting](#)
  - [Significant Differences between EXTRAN Versions 3, 4 and 5](#)
  - [Finite Difference Solution](#)
  - [Convergence in EXTRAN](#)
  - [Automatic Time Step Selection](#)
  - [Special Conduit Flow Conditions](#)
  - [Flow and Head Computation during Surge and Flooding](#)
  - [Ground and Invert Elevations](#)
  - [Flow Control or Diversion Devices](#)
  - [Storage Devices, Ponds, and Lakes](#)
  - [Orifices](#)
  - [Weirs](#)
  - [Weirs with Tide Gates](#)
  - [Pump Stations](#)
  - [Outfall Structures](#)
  - [Boundary Conditions](#)
  - [Initial Conditions](#)
  - [Pit or Junction Losses](#)
  - [Oscillations during a Hydraulic Jump](#)
  - [Irregular Closed Conduits](#)
  - [Irregular Open Channels](#)
  - [Kinematic and Diffusion Wave Equations](#)
  - [Special Finite Difference Approximations](#)
  - [Conduit Depth Calculations](#)
- [Reference Publications](#)
- [Detailed Bed Shear Equations](#)
- [Stream Power](#)
- [Curve Numbers](#)
- [Broad-crested Weir Coefficients](#)
- [Inlet Control Theory](#)
- [TUFLOW.exe Control File - .tcf File](#)
- [Plug Flow Theory](#)
- [Time of Concentration Calculator](#)