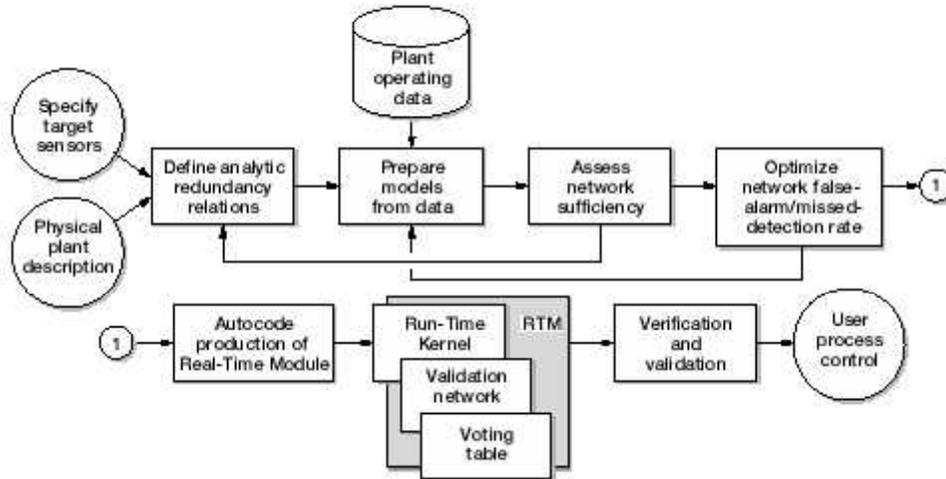


Testbed. Current efforts are focused on extending and applying the tools to generate a larger sensor validation network for the Space Shuttle Main Engine.



User interface for the Space Shuttle Main Engine application of the sensor validation system was developed to view sensor failures in real-time.

Bibliography

Bickford, R.L.; Bickmore, T.W.; and Caluori, V.A.: Real-Time Sensor Validation for Autonomous Flight Control. AIAA Paper 97-2901, 1997.

Bickford, R.L., et al.: Real-Time Flight Data Validation for Rocket Engines. AIAA Paper 96-2827, 1996.

Bickmore, T.W.: A Probabilistic Approach to Sensor Data Validation. AIAA Paper 92-3163, 1992.

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