

# Transforming Analytic Application Development

## Introducing PyIMSL™ Studio

### Abstract

In a recent Visual Numerics customer survey, more than 60% of respondents said that they create prototype models before developing code for production applications. The vast majority of respondents also indicated that their organization uses multiple numerical analysis tools for prototyping. Using different tools in the prototyping and production stages of development can cause significant challenges.

This paper is intended to provide modelers, production developers and managers of analytic applications with an overview of common challenges when moving prototype models into production applications. This paper will also introduce PyIMSL Studio, the first and only commercially-available numerical analysis application development environment designed for deploying mathematics and statistics prototype models into production applications.