

Introduction to *Mathematica*: Numeric and Symbolic Applications

I. Class Materials

1. Download Numeric_Symbolic_Applications.tar

On Athena:

Copy the archive file from the locker **acmath** to a local working directory.

```
athena% add acmath  
athena% cp /mit/acmath/math/IntroMathematica/Numeric_Symbolic_Applications.tar .
```

Alternatively, from a web browser:

Download the archive file from <http://web.mit.edu/acmath/math/IntroMathematica>.

2. Extract this session's directory and files

On Athena:

```
tar -xvf Numeric_Symbolic_Applications.tar
```

Your local work directory should now contain the following directories and files:

Numeric_Symbolic_Applications

```
Intro_Symbolic_Functions_Patterns.nb  
Carter_StyleSheet.nb
```

II. Start *Mathematica*

On Athena:

Launch *Mathematica* from the **Numeric_Symbolic_Applications** directory:

```
athena% cd Numeric_Symbolic_Applications  
athena% add math  
athena% mathematica &
```

III. Open this session's lecture file in *Mathematica*

Open the notebook file `Intro_Symbolic_Functions_Patterns.nb` at the beginning of class. This file contains the lecture and exercises for today's session.

The file `Carter_StyleSheet.nb` is Prof. Carter's style sheet. Keep that file in the same directory as the lecture file, so that the style sheet is available for the notebook with the lecture.