

Introduction to *Mathematica*: Linear Algebra and Calculus

I. Class Materials

1. Download Linear_Algebra_Calculus.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/Linear_Algebra_Calculus.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 Linear_Algebra_Calculus.tar
```

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

Linear_Algebra_Calculus

```
Intro_LinearAlgebra_Calculus.nb  
Carter_StyleSheet.nb
```

II. Start *Mathematica*

On Athena:

Launch *Mathematica* from the **Linear_Algebra_Calculus** directory:

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

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

Open the notebook file Intro_LinearAlgebra_Calculus.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.