Instructions for creating "Blob" program.

Start Interface Builder
Save as Programming/Blob/blob and create a project file with the File/Project
Select File/New Application
Double click the Classes toolkit in the lower lef window
Sub-class View and call it BlobView
Drag a CustomView and two sliders in to the main window
Inspect the CustomView and make it an instance of the BlobView
Add rotate and zoom action methods using the class inspector
Make connections from the sliders to the BlobView
Inspect slider limits to be 0 to 360 for rotate and -.9 to 3 for zoom
Unparse the BlobView
Add blob.psw file to project
Select File/Save
Make additions to BlobView.h BlobView.h
Select File/Make
Run by double clicking the blob.debug icon

Changes to BlobView.h
(additions in Bold)

**-------------changes to BlobView.h----------------**

```
/* Generated by Interface Builder */

#import <appkit/View.h>

@interface BlobView:View
{
   float rot, mag;
}

- rotate:sender;
- zoom:sender;

@end
```

**-------------changes to BlobView.h----------------**

```
/* Generated by Interface Builder */

#import "BlobView.h"
#import <dpsclient/wraps.h>
#import <appkit/Control.h>
#import "blob.h"

@implementation BlobView

- rotate:sender
{
    rot = [sender floatValue];
    [self display];
    return self;
}

- zoom:sender
{
    mag = [sender floatValue];
    [self display];
    return self;
}

- drawSelf:(NXRect*)r :(int)c
{
    NXEraseRect(&bounds);
    PStranslate(bounds.size.width/2.0, bounds.size.height/2.0);
    PSscale(mag+1.0, mag+1.0);
    PSrotate(rot);
    PSsetgray(NX_BLACK);
    drawBlob(100.0, 5.0);
    return self;
}

@end


-------------content of blob.psw----------------
defineps drawBlob(float size, lineWidth)
   lineWidth setlinewidth
   newpath
      0 0 moveto
      size 0 lineto
      size size lineto
      0 size lineto
      0 0 lineto
```

```
      size size rlineto
      0 size moveto
      size 0 lineto
    stroke
endps
```