1. **create\_sphere\_image**  
   The purpose of this program is to create spheres for use with ARP or for visualizing the regions specified in ARP.   
   1. **DEPENDENCIES**  
      The first two lines of the script should be changed to point to SPM8 and gPPI directories.  
      ***addpath('/pathto/spm8')  
      addpath('/pathto/gPPI')***  
        
      The gPPI Toolbox can be downloaded from http://www.nitrc.org/projects/gppi.
   2. **USAGE**  
      ***create\_sphere\_image(SPMmat,VOI,label,diam)***
   3. **INPUTS**  
      ***SPMmat --*** Can be an SPM.mat file or .nii file or .img file. This file will be used to determine the output space of the mask.  
      ***VOI --*** A Nx3 matrix of ROI/VOI centers.  
      ***label --*** A cell array of region names corresponding to the ROI/VOI centers.  
      ***diam --*** A vector of radiuses for each ROI/VOI.
   4. **OUTPUTS**  
      There are no explicit outputs. A single nifti file of the mask image will be created in the space of SPMmat.
   5. **EXAMPLE**  
      ***create\_sphere\_image(‘myoutputspace.nii’,[0 -70 32],’myregion\_0\_-70\_32\_r6’,6)***