function register\_Callback(hObject,eventdata)

data\_loc = guidata(f);

if ~isfield(data\_loc,'t\_form')

display('No t\_form field');

return;

end

new\_data=data\_loc;

for i=1:size(new\_data.map,3)

new\_data.map(:,:,i)=imwarp(squeeze(new\_data.map(:,:,i)), new\_data.t\_form, 'OutputView', imref2d(size( squeeze(new\_data.map(:,:,i)))));

end

new\_data.var = [new\_data.var '\_registered'];

new\_data.ops{end+1} = 'Registration';

img\_obj\_viewer2(new\_data);

end

function local\_register\_Callback(hObject,eventdata)

data\_loc = guidata(f);

if ~isfield(data\_loc,'t\_form\_local')

display('No t\_form field');

return;

end

new\_data=data\_loc;

for i=1:size(new\_data.map,3)

new\_data.map(:,:,i)=imwarp(squeeze(new\_data.map(:,:,i)), new\_data.t\_form\_local, 'OutputView', imref2d(size( squeeze(new\_data.map(:,:,i)))));

end

new\_data.var = [new\_data.var '\_registered'];

new\_data.ops{end+1} = 'Registration';

img\_obj\_viewer2(new\_data);

end