% Apr14

rand\_noise=[100\*ones(1,noise\_perc),zeros(1,noise\_none)];

rand\_noise=reshape(rand\_noise(randperm(edge\*edge)),[edge,edge]);

noise\_mask=repelem(rand\_noise,S,S);

% Apr15

%rand\_noise=[100\*rand(1,noise\_perc),zeros(1,noise\_none)];

rand\_noise=reshape(rand\_noise(randperm(edge\*edge)),[edge,edge]);

noise\_mask=repelem(rand\_noise,S,S);