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% Stimulus parameters

% stimulus 1:
% high contrast
% high spatial frequency
% fast

stimParams.mean= 0.5; %black and white
stimParams.amplitude = 0.5; % contrast

stimParams.spatialF = 2; %cycles per d
syms x;
symSpatialFreqFun = int((8-0.16*x),[0,x]);
stimParams.spatialFreqFun = matlabFunction(symSpatialFreqFun);

stimParams.gratingSpeed = 8; %cycles per d

% # cycles so that spatialF is same at 5 deg radially and circularly
stimParams.cyclesPerRotation = round(stimParams.spatialF*2*pi*5); %
    cycles/deg * (2*PI*R) deg where R=5 degrees

% grating colors
colorBlackAndWhite = 0;
colorBlueAndYellow = 1;
colorRedAndGreen    = 2;

stimParams.gratingColor = colorBlackAndWhite;
```

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