```
imgFourierData[img_] := Module[{imgData, nRow, nCol, d, fw},
   imgData = ImageData@img;
   {nRow, nCol} = Dimensions[imgData];
   d = imgData * (-1)^Table[i + j, {i, nRow}, {j, nCol}];
   fw = Fourier[d, FourierParameters → {1, -1}];
   Return[fw];
  ];
imgDisplay[fw_, fudgeFactor_: 10^-3] := Module[{abs, fImg, xList, yList, absMax},
   abs = Abs@fw;
   fImg = Image[(abs fudgeFactor)^2, ImageSize → 300] // ColorNegate;
   Return[fImg]];
```