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filedir = sprintf("../outputs/flxdst.o"); % output file dir
fid = fopen(filedir); % opens file
picname = 'flxdst8000W1000MM.png';

data = fgetmat(fid);
fclose(fid);
x = data(:,1);
flux = data(:,2);

fig = figure;
hold on
set(gcf, 'Units', 'Normalized', 'OuterPosition', [0.1, 0.1, .6,
0.8]);
set(gcf, 'color', 'w');
plot(x*100, flux, 'LineWidth', 2);
% xlim([0 max(time)]);
xlabel('Position (cm)');
ylabel('Flux (W)');
% tit = sprintf('%s, Pool Size, MM = %.0f, Q = %.0fW', inputfile,
MM, Q);
title('Boundary Flux Distribution, MM = 5000');
set(gca, 'FontSize', 20);
grid on

frame = getframe(fig);
im = frame2im(frame);
[imind,cm] = rgb2ind(im,256);
imwrite(imind,cm,picname,'png', 'WriteMode','overwrite');

```