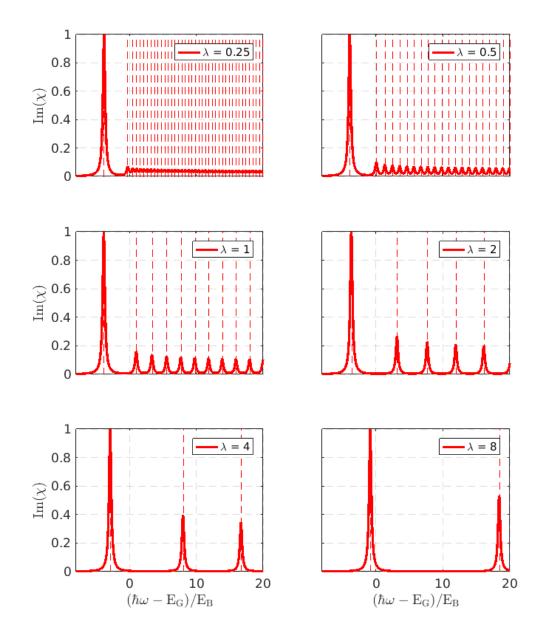
```
figure
EXMX
       = 'MX';
switch EXMX
   case 'EX'
 = struct( 'I_k', [0 1 10 100 1000
      Input ex
10000], 'N_k', [10 10 10 10 10], ...
                          'I_phi', [-pi pi],
 'N phi', 50 );
 [X , hw] = Exzitonenanregung(Input_ex,'Spektrum',
 'Coulomb',-700:50);
      [EW, \sim]
Exzitonenanrequng(Input ex,'Eigenwerte','Coulomb',-700:50);
              = plot(hw, imag(X)/max(imag(X)), 'r',
      plot_i
  'linewidth', 2.5); hold on
               = stem(EW(EW<0)), ones(1, length(EW(EW<0))), 'r--',
      stem_i
  'linewidth', 1.3, ...
                       'markeredgecolor', 'none');
      xlim([min(hw) max(hw)]);
                            xlabel('$E-E_G$ in
meV', 'interpreter','latex');
      ylim([0 1]);
                             ylabel('Im$(\chi)$'
 , 'interpreter','latex');
      grid on;
set(gca,'GridLineStyle', '--', 'fontsize',13);
   case 'MX'
      %==========
      lambda = [0.25 \ 0.5 \ 1 \ 2 \ 4 \ 8];
               = linspace(-8, 20, 500);
      for i=1:6
               = subplot(3,2,i);
      ax
      Input mx
struct( 'n',300, 'lambda',lambda(i), 'phi',phi );
               = Magnetoexziton(Input_mx, 'Spektrum',
      [X , hw]
 'Coulomb');
      [EW, \sim]
Magnetoexziton(Input_mx,'Eigenwerte','Coulomb');
               = plot(ax,hw, imag(X)/max(imag(X)), 'r',
      plot_i
 'linewidth', 2.5); hold on
               = stem(ax,EW, ones(1, length(EW)), 'r--',
      stem_i
 'linewidth', 1.3, ...
                       'markeredgecolor', 'none');
```



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