TR_1D_model1_SS\plot_results.m

```
% TR_1D_model1_SS\plot_results
%
% function iflag = plot_results( ...
%     num_species,Grid,State);
%
% This m-file plots the results of the simulation.
% A separate plot is made of each concentration
% and temperature profile along the length of
% the reactor.
%
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% 7/2/2001
%
% Version as of 7/19/2001


function iflag = plot_results( ...
   num_species,Grid,State);

iflag = 0;


% First, plot the species concentration profiles.

for ispecies = 1:num_species

   figure;
   plot(Grid.z,State.conc(:,ispecies));
   title(['Conc. profile of species ', ...
        int2str(ispecies)]);
   xlabel('Axial position (z)');
   ylabel('Concentration');

end


% Then, plot the temperature profile.

figure;
plot(Grid.z,State.Temp);
title('Temperature profile');
xlabel('Axial position (z)');
ylabel('Temperature');
```

iflag = 1;

return;