

Report Title

Report description, place it in the next line after the title. Below this description the Content section will be generated automatically.

Contents

- The Theory
- The Practice

After the Content section useful comments could be posted, for example, "This file contains formulas, please refer to the file

report_example.pdf

".

```
% this file: report_example.m  
% data file:
```

The Theory

Here the theory of the report will be described. To insert mathematics start a new cell.

We will investigate the problem $y = \sin(x)$ and prove that

$$\int_{-\infty}^{\infty} \sin(x) dx = 0.$$

The Practice

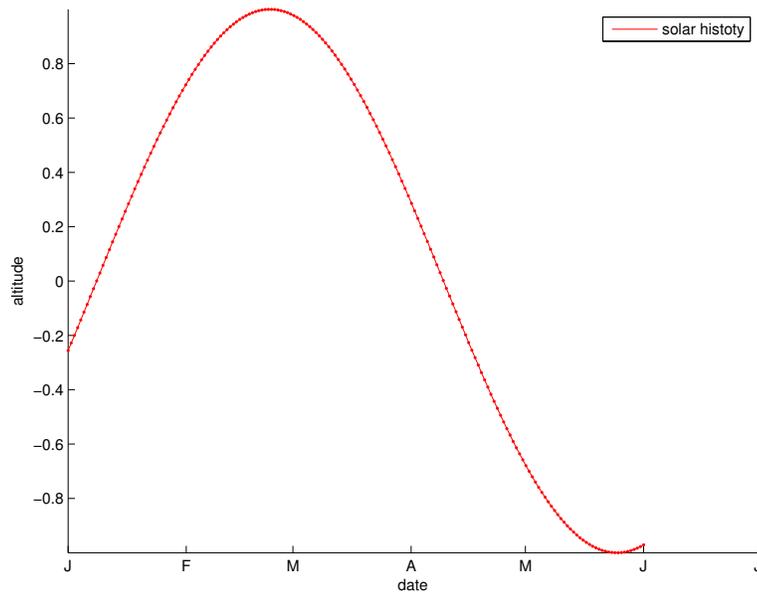
Here the section description text could be placed.

```
% If the section begins with comments, please separate the comments by  
% empty line.  
N = 182;  
x = linspace(...  
    datenum('1/1/2007 00:00:00'),...  
    datenum('6/1/2007 00:00:00'),N);  
y = cos(x*2*pi/N);  
h = figure; hold on  
plot(x,y,'r-');
```

```

plot(x,y,'r. ');
axis tight
datetick('x','m');
legend('solar histoty');
xlabel('date');
ylabel('altitude');
% please insert the break line here to correct the plot manually
% create the folder 'html/img/' in necessary
saveas(h,'html/img/solar','png'); % to the html report
saveas(h,'html/img/solar','psc2'); % to the LaTeX report
% please comment the 'saveas' lines to kepp corrected plots unchanged
close(h);

```



RESUME: it is obvious that the sine curve is shown in the plot.

Note that if %%-token contains no section name (see above) it would not be inserted in the Contents section.

To make the LaTeX report change .png for .ps in the .tex file