1 Nesting hbox & vbox

a b c d
abcd
a   b
a   a b c d
b
c
d
       a
        b
         c
        d
       a
        b
         c
abdcd

2 parbox and minipage

hbox1
vbox1
hbox2
hbox3
vbox2
    This is random text. This is random text. This is random text. This is random text. This is random text.

- One

- Two

- Three

This is random text. This is random text. This is random text. This is random text. This is random text.

3 Centering

This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text. This is random text.

fooa

Figure 1: This is random text. This is random text. This is random text.

A Figure line
Another Figure line
Yet another Figure line

Figure 2: Figure: This is a figure.

This is random text. This is random text. This is random text.
This is random text. This is random text. This is random text.
This is random text. This is random text. This is random text.

fooa

c) Parabolic cylinder, $x^2 = 2pz$; it is a developable surface.
Signatures: blah x, y)

4 Graphics rescaling

fooa

fooa

5 unvbox and unvcopy

via unvbox, unvcopy:
1cm Box
2cm Box
1cm Box
2cm Box