List of Figures

 2
 Wrong order
 1

 1
 Standard figure
 1

1 Various kinds of figures

Here we mix standard and nonfloating figures.

Figure B

Figure 2: Nonfloating figure

Because Figure 1 is forced to the bottom with an optional [b] argument it passes Figure 2 and the ordering in LOF gets out of sync.

Figure A

Figure 1: Standard figure