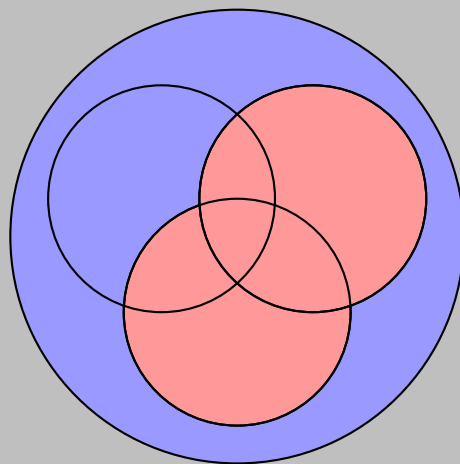


PSTricks

pst-venn

A PSTricks package for drawing Venn sets; v 0.01

September 5, 2021

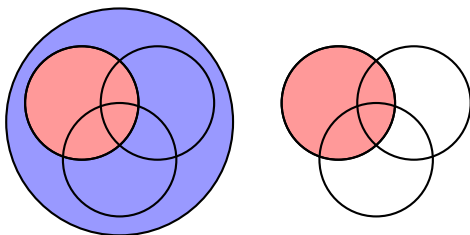


Package author(s):
Herbert Voß

`\psVenn[options](01)(02)(03){radius}{segments}`

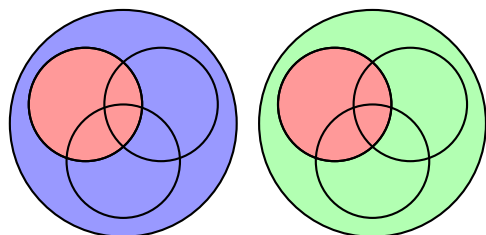
There are the following optional arguments:

`bgcircle=<true/false>`:



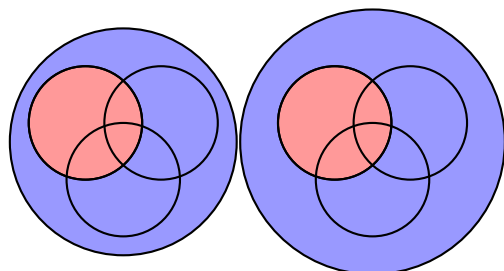
```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn[bgcircle](-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn[bgcircle=false](-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
```

`bgcolor=<color>`:



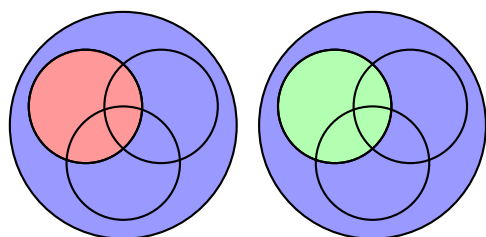
```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn[bgcolor=green!30](-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
```

`bgradius=<value[unit]>`:



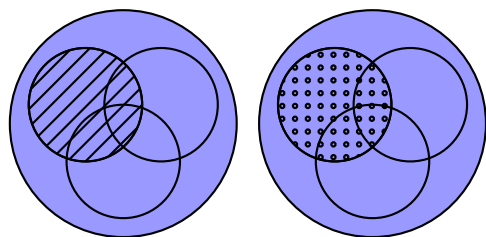
```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn[bgradius=3.5](-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
```

`fgcolor=<color>`:



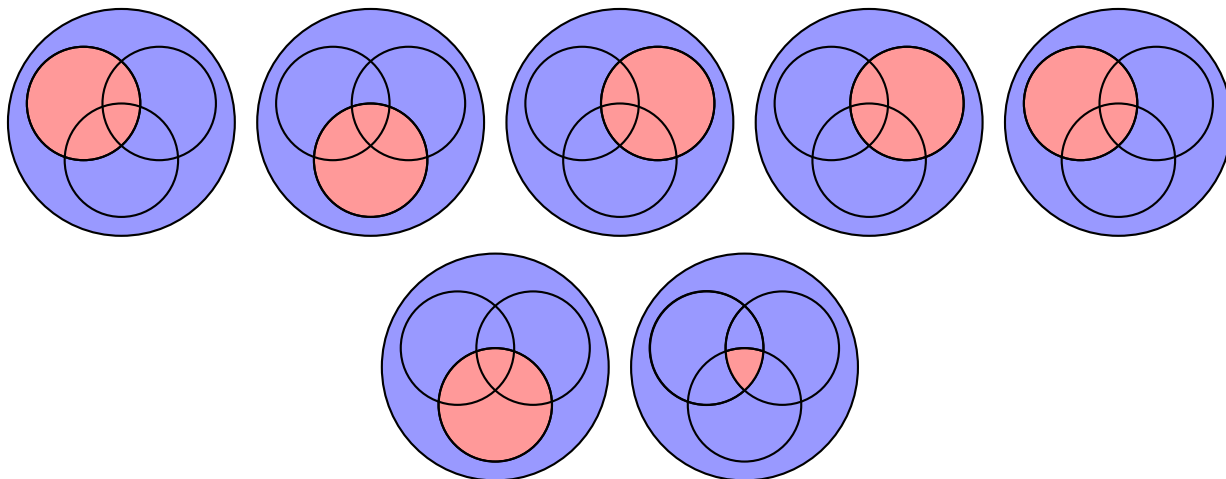
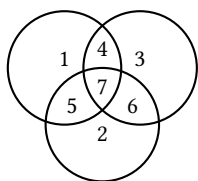
```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn[fgcolor=green!30](-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
```

`vennfill=<style>`:



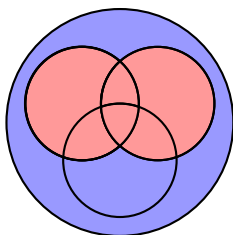
```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn[vennfill=hlines](-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
  \psVenn[vennfill=dots](-1,0.5)(0,-1)(1,0.5){1.5}{1}
\end{pspicture}
```

Every single area of the three circles has a number:

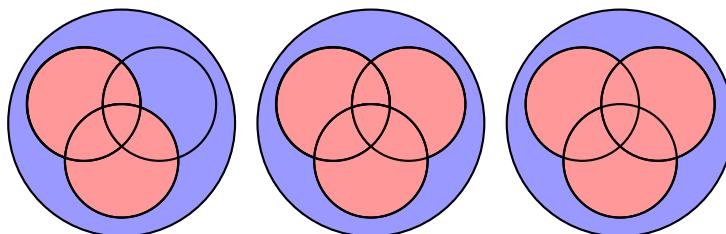


```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{1} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{2} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{3} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{4} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{5} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{6} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{7} \end{pspicture}
```

The elements can be combined like 147:



```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2)
\psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{147}
\end{pspicture}
```



```
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{127} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{4567} \end{pspicture}
\begin{pspicture}(-3.2,-3.2)(3.2,3.2) \psVenn(-1,0.5)(0,-1)(1,0.5){1.5}{123} \end{pspicture}
```