pst-dart

Plotting a Dart; v.0.02

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1 Syntax of \psDart

\psDartBoard [Options] (x_0, y_0)

2 Examples

2.1 The default size

\begin{pspicture}[showgrid](-3,-3)(9,3)
\psDartBoard % The default Dartboard (radius=2.1cm)
\psDartBoard [fontsize=7pt] (6cm,0)
\end{pspicture}

2.2 Scaling

\begin{pspicture}[showgrid](-5,-5)(5,5)
\psDartBoard [unit=2]
\end{pspicture}
2.3 Space

\texttt{\textbackslash pspicture} itself uses internally already an environment \texttt{pspicture} which reserves the space. But an internal \texttt{\rput} command places the dartboard without specifying coordinates at the origin which is the reason why one has to reserve space with an additional environment \texttt{pspicture} as can be seen in the above examples.
4 Board and Darts

\begin{pspicture}[showgrid](0,-1)(\linewidth,8)
\psDart(4,2)
\psDart[dartcolor=green,rot=22.50](4,2)
\psDart[dartcolor=blue,rot=45](4,2)
\psDart[rot=-90,unit=0.75](2,8)
\end{pspicture}

5 Changing the viewpoint

You can change the viewpoint with the two optional arguments preCode\(^1\) which allow to change the transformation matrix of PostScript. However, it does not work with \LaTeX, you have to choose the Sequenz latex→dvips→ps2pdf.

\begin{pspicture}(-5,-5)(5,5)
\psDartBoard[fontsize=15pt,unit=2]
\psDart[rot=45,unit=0.5](0,0)
\psDart[rot=30,unit=0.5,dartcolor=blue](0,0)
\psDart[rot=80,unit=0.5,dartcolor=green](-2,2)
\end{pspicture}

\(^{1}\) There is also a postCode, which is not of real interest here.
\begin{pspicture}(-4.5,-4.5)(4.5,4.5)
\psDartBoard[preCode=([1 0.2 0.5 1 0 0 ] concat),\fontsize=18pt,\unit=1.5]
\psDart[\unit=0.5,\rot=45](1,-1)
\end{pspicture}
6 List of all optional arguments for pst-dart

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