

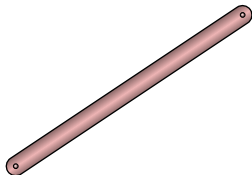
# StaTikZ

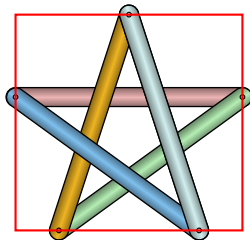
Figures for Statics, using  $\text{\LaTeX}$  and TikZ

Dave Morgan

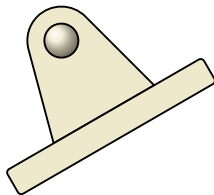
Updated on: July 31, 2025

```
\coordinate (A) at (0,0);  
\coordinate (B) at (3,2);  
\Member{A}{B}{RosyBrown4}{RosyBrown2}{Black}{0.25}{1.25}{0.5}
```





```
\tikz{
  \coordinate (A) at (0,0);
  % \PC[rotate=0]{coordinate}{draw}{fill}{scale}{line width}
  \PC[30]{A}{Cornsilk2}{black}{1.5}{0.25}
}
```



```
\begin{scope}[rotate=10, scale=1.75]
  \coordinate (tl) at (0,0);
  \coordinate (tr) at (4,1);
  \coordinate (base) at (0,0);
  \DL{tl}{tr}{base}{Cornsilks2}{Red4}{10}{0.25}{6}
\end{scope}
```

- There is an optional first argument [0] to specify an upward load. The default argument [1] specifies force down.
- The arguments, in order, are force direction, first load coordinate, second load coordinate, a coordinate for the base, fill colour, line colour, number of spaces between directed line segments, the line width (mm) and the arrow tip length (mm).

