

Test of the **overarrows** package  
compatibility with **unicode-math**

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## Predefined commands

```

\begin{align*}
\vv{AB} & \quad \& \& \quad \vec{v} & \quad \backslash\! \backslash \\
\overrightarrow{AB} & \quad \& \& \quad \underrightarrow{AB} & \quad \backslash\! \backslash \\
\overleftarrow{AB} & \quad \& \& \quad \underleftarrow{AB} & \quad \backslash\! \backslash \\
\overleftrightharrow{AB} & \quad \& \& \quad \underleftrightharrow{AB} & \quad \backslash\! \backslash \\
\overrightharpoonup{AB} & \quad \& \& \quad \underharpoonup{AB} & \quad \backslash\! \backslash \\
\overrightharpoondown{AB} & \quad \& \& \quad \underharpoondown{AB} & \quad \backslash\! \backslash \\
\overleftharpoonup{AB} & \quad \& \& \quad \underleftharpoonup{AB} & \quad \backslash\! \backslash \\
\overleftharpoondown{AB} & \quad \& \& \quad \underleftharpoondown{AB} & \quad \backslash\! \backslash \\
\overbar{AB} & \quad \& \& \quad \underbar{AB} & \\
\end{align*}

```

[illegible]

## harrowextender

```
\begin{align*}
\mathtt{-} & \sim \mathtt{-} & \& - \ \backslash
\mathtt{\backslash relbar} & \sim \mathtt{\backslash relbar} & \& \backslash relbar \ \backslash
\mathtt{\backslash relbareda} & \sim \mathtt{\backslash relbareda} & \& \backslash relbareda \ \backslash
\mathtt{\backslash harrowextender} & \sim \mathtt{\backslash harrowextender} & \& \backslash harrowextender
\end{align*}
```

```

-- = --
\relbar = --
\relbareda = -
\harrowextender =
```

```
\NewOverArrowCommand{\testharrowextender}{%
  middle config=harrowextender
}
\TestOverArrow{\testharrowextender}
```

$\backslash displaystyle$	$\backslash textstyle$	$\backslash scriptstyle$	$\backslash scriptscriptstyle$
$\overrightarrow{v}$	$\overrightarrow{v}$	$\overrightarrow{v}$	$\overrightarrow{v}$
$\overrightarrow{AB}$	$\overrightarrow{AB}$	$\overrightarrow{AB}$	$\overrightarrow{AB}$
$\overrightarrow{\text{grad}}$	$\overrightarrow{\text{grad}}$	$\overrightarrow{\text{grad}}$	$\overrightarrow{\text{grad}}$
$\overrightarrow{\text{my long vector}}$	$\overrightarrow{\text{my long vector}}$	$\overrightarrow{\text{my long vector}}$	$\overrightarrow{\text{my long vector}}$

## TikZ arrows

```
\NewOverArrowCommand[tikz]{\tikzstandardthickness}{%
  path options={
    x=\overarrowlength, line width=\overarrowthickness
  },
  path={(0,0) -- (1,0)}, arrows={->}
}
\NewOverArrowCommand[tikz]{\tikzsmallerthickness}{%
  path options={
    x=\overarrowlength, line width=\overarrowsmallerthickness,
  },
  path={(0,0) -- (1,0)}, arrows={->}
}
\begin{align*}
  \tikzstandardthickness{ABCD} & \& \\
  \scriptscriptstyle \tikzstandardthickness{ABCD} & \\
  \tikzsmallerthickness{ABCD} & \& \\
  \scriptscriptstyle \tikzsmallerthickness{ABCD} & \\
\end{align*}
```

$$\overrightarrow{ABCD}$$

$$\overrightarrow{ABCD}$$

$$\overrightarrow{ABCD}$$

$$\overrightarrow{ABCD}$$