

TABLE 307: Math Alphabets

Font sample	Generating command	Required package
$ABCdef123$	<code>\mathrm{ABCdef123}</code>	<i>none</i>
<i>ABCdef123</i>	<code>\mathit{ABCdef123}</code>	<i>none</i>
$ABCdef_{123}$	<code>\mathnormal{ABCdef123}</code>	<i>none</i>
\mathcal{ABC}	<code>\mathcal{ABC}</code>	<i>none</i>
\mathscr{ABC}	<code>\mathscr{ABC}</code>	mathrsfs
<i>or</i>	<code>\mathcal{ABC}</code>	calrsfs
\mathcal{ABC}	<code>\mathcal{ABC}</code>	euscript with the mathcal option
<i>or</i>	<code>\mathscr{ABC}</code>	euscript with the mathscr option
\mathcal{ABC}	<code>\mathcal{ABC}</code>	rsfso
<i>or</i>	<code>\mathscr{ABC}</code>	rsfso with the scr option
\mathcal{ABC}	<code>\mathcal{ABC}</code>	urwchancal*
<i>or</i>	<code>\mathscr{ABC}</code>	urwchancal* with the mathscr option
\mathbf{ABC}	<code>\mathbf{ABC}</code>	amsmath, [§] amssymb, txfonts, or pxfonts
\mathbf{ABC}	<code>\varmathbb{ABC}</code>	txfonts or pxfonts
$\mathbf{ABCdef123}$	<code>\mathbf{ABCdef123}</code>	bbold or mathbbol [†]
$\mathbf{ABCdef123}$	<code>\mathbf{ABCdef123}</code>	mbboard [†]
$\mathbf{ABCdef12}$	<code>\mathbf{ABCdef12}</code>	bbm
$\mathbf{ABCdef12}$	<code>\mathbf{ABCdef12}</code>	bbm
$\mathbf{ABCdef12}$	<code>\mathbf{ABCdef12}</code>	bbm
$\mathbf{ABCdef12}$	<code>\mathbf{ABCdef12}</code>	bbm
$\mathbf{ABC1}$	<code>\mathbf{ABC1}</code>	dsfont
$\mathbf{ABC1}$	<code>\mathbf{ABC1}</code>	dsfont with the sans option
\mathbf{ABC}	<code>\symA\symB\symC</code>	china2e [‡]
$\mathbf{ABCdef123}$	<code>\mathbf{ABCdef123}</code>	eufrak
$\mathbf{ABCdef123}$	<code>\textfrak{ABCdef123}</code>	yfonts [¶]
$\mathbf{ABCdef123}$	<code>\textswab{ABCdef123}</code>	yfonts [¶]
$\mathbf{ABCdef123}$	<code>\textgoth{ABCdef123}</code>	yfonts [¶]