

TABLE 213: Math Alphabets

| Font sample | Generating command | Required package |
|-------------------------|--------------------------------------|--|
| $ABCdef123$ | <code>\mathrm{ABCdef123}</code> | <i>none</i> |
| $ABCdef123$ | <code>\mathit{ABCdef123}</code> | <i>none</i> |
| $ABCdef123$ | <code>\mathnormal{ABCdef123}</code> | <i>none</i> |
| ABC | <code>\mathcal{ABC}</code> | <i>none</i> |
| ABC | <code>\mathscr{ABC}</code> | mathrsfs |
| | <i>or</i> <code>\mathcal{ABC}</code> | calrsfs |
| ABC | <code>\mathcal{ABC}</code> | euscript with the mathcal option |
| | <i>or</i> <code>\mathscr{ABC}</code> | euscript with the mathscr option |
| $ABCdef123$ | <code>\mathpzc{ABCdef123}</code> | <i>none</i> ; manually defined* |
| ABC | <code>\mathbb{ABC}</code> | amsmath, [§] amssymb, txfonts, or pxfonts |
| ABC | <code>\varmathbb{ABC}</code> | txfonts or pxfonts |
| $ABCdef123$ | <code>\mathbb{ABCdef123}</code> | bbold or mathbbol [†] |
| $ABCdef123$ | <code>\mathbb{ABCdef123}</code> | mbboard [†] |
| $ABCdef12$ | <code>\mathbbm{ABCdef12}</code> | bbm |
| $ABCdef12$ | <code>\mathbbmss{ABCdef12}</code> | bbm |
| $ABCdef12$ | <code>\mathbbmtt{ABCdef12}</code> | bbm |
| $ABC1$ | <code>\mathds{ABC1}</code> | dsfont |
| $A1BC1$ | <code>\mathds{ABC1}</code> | dsfont with the sans option |
| ABC | <code>\symA\symB\symC</code> | china2e [‡] |
| $\frac{ABCdef123}{123}$ | <code>\mathfrak{ABCdef123}</code> | eufrak |
| $\frac{ABCdef123}{123}$ | <code>\textfrac{ABCdef123}</code> | yfonts [¶] |
| $\frac{ABCdef123}{123}$ | <code>\textswab{ABCdef123}</code> | yfonts [¶] |
| $\frac{ABCdef123}{123}$ | <code>\textgoth{ABCdef123}</code> | yfonts [¶] |