Table 213: Math Alphabets

| Font sample | Generating command | Required package |
|---|---|---|
| ABCdef123 | `\mathrm{ABCdef123}` | *none* |
| *ABCdef123* | `\mathit{ABCdef123}` | *none* |
| *ABCdef*123 | `\mathnormal{ABCdef123}` | *none* |
| $\mathcal{ABC}$ | `\mathcal{ABC}` | *none* |
| $\mathscr{ABC}$ | `\mathscr{ABC}` | mathrsfs |
| *or* | `\mathcal{ABC}` | calrsfs |
| $\mathcal{ABC}$ | `\mathcal{ABC}` | euscript with the mathcal option |
| *or* | `\mathscr{ABC}` | euscript with the mathscr option |
| $\mathpzc{ABCdef123}$ | `\mathpzc{ABCdef123}` | *none*; manually defined* |
| $\mathbb{ABC}$ | `\mathbb{ABC}` | amsfonts,§ amssymb, txfonts, or pxfonts |
| $\varmathbb{ABC}$ | `\varmathbb{ABC}` | txfonts or pxfonts |
| $\mathbb{ABCdef123}$ | `\mathbb{ABCdef123}` | bbold or mathbbol† |
| $\mathbb{ABCdef123}$ | `\mathbb{ABCdef123}` | mbboard† |
| $\mathbb{ABCdef12}$ | `\mathbb{ABCdef12}` | bbm |
| $\mathbb{ABCdef12}$ | `\mathbb{ABCdef12}` | bbm |
| $\mathbb{ABCdef12}$ | `\mathbb{ABCdef12}` | bbm |
| $\mathbb{ABC1}$ | `\mathbb{ABC1}` | dsfont |
| $\mathbb{ABC1}$ | `\mathbb{ABC1}` | dsfont with the sans option |
| $\mathbb{ABC}$ | `\symA\symB\symC` | china2e‡ |
| $\mathfrak{ABCdef123}$ | `\mathfrak{ABCdef123}` | eufrak |
| $\mathfrak{ABCdef123}$ | `\textfrak{ABCdef123}` | yfonts¶ |
| $\mathfrak{ABCdef123}$ | `\textswab{ABCdef123}` | yfonts¶ |
| $\mathfrak{ABCdef123}$ | `\textgoth{ABCdef123}` | yfonts¶ |