

The **statmath** package*

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Abstract

Put text here.

1 Introduction

Put text here.

2 Usage

`\bfA` Bold upper case: **A**

3 Implementation

The default is to use `mathbf` for Roman letters and `boldsymbol` for Greek letters. Both can be changed (individually) to `bm`.

```
1 \RequirePackage{amsmath}
2 \RequirePackage{bm}%
3
4 \DeclareOption{abcbm}{%
5   \let\abcbf\bm%
6 }
7 \DeclareOption{greekbm}{%
8   \let\greekbf\bm%
9 }
10 \DeclareOption{abcbf}{%
11   \let\abcbf\mathbf%
12 }
13 \DeclareOption{greekbs}{%
14   \let\greekbf\boldsymbol%
15 }
```

*This document corresponds to `statmath ?`, dated 2018/03/06?.

```

16
17 \ExecuteOptions{abcbf,greekbs}
18
19 \ProcessOptions\relax

```

`\bfa` Capital letters are obtained by **A**, **B**, etc. The command `abcbf` is either `textbf` or `bm`, depending on options `abcbf` or `abcbm`.

```

20 \newcommand{\bfa}{\abcbf A}
21 \newcommand{\bfB}{\abcbf B}
22 \newcommand{\bfC}{\abcbf C}
23 \newcommand{\bfD}{\abcbf D}
24 \newcommand{\bfE}{\abcbf E}
25 \newcommand{\bfF}{\abcbf F}
26 \newcommand{\bfG}{\abcbf G}
27 \newcommand{\bfH}{\abcbf H}
28 \newcommand{\bfI}{\abcbf I}
29 \newcommand{\bfJ}{\abcbf J}
30 \newcommand{\bfK}{\abcbf K}
31 \newcommand{\bfL}{\abcbf L}
32 \newcommand{\bfM}{\abcbf M}
33 \newcommand{\bfN}{\abcbf N}
34 \newcommand{\bfO}{\abcbf O}
35 \newcommand{\bfP}{\abcbf P}
36 \newcommand{\bfQ}{\abcbf Q}
37 \newcommand{\bfR}{\abcbf R}
38 \newcommand{\bfS}{\abcbf S}
39 \newcommand{\bfT}{\abcbf T}
40 \newcommand{\bfU}{\abcbf U}
41 \newcommand{\bfV}{\abcbf V}
42 \newcommand{\bfW}{\abcbf W}
43 \newcommand{\bfX}{\abcbf X}
44 \newcommand{\bfY}{\abcbf Y}
45 \newcommand{\bfZ}{\abcbf Z}

```

`\bfa` Lower-case letters are obtained by `\bfa`, **b**, etc. The command `abcbf` is either `textbf` or `bm`, depending on options `abcbf` or `abcbm`.

```

46 \newcommand{\bfa}{\abcbf A}
47 \newcommand{\bfB}{\abcbf B}
48 \newcommand{\bfC}{\abcbf C}
49 \newcommand{\bfD}{\abcbf D}
50 \newcommand{\bfE}{\abcbf E}
51 \newcommand{\bfF}{\abcbf F}
52 \newcommand{\bfG}{\abcbf G}
53 \newcommand{\bfH}{\abcbf H}
54 \newcommand{\bfI}{\abcbf I}
55 \newcommand{\bfJ}{\abcbf J}
56 \newcommand{\bfK}{\abcbf K}
57 \newcommand{\bfL}{\abcbf L}
58 \newcommand{\bfM}{\abcbf M}

```

```

59 \newcommand{\bfN}{\abcbf N}
60 \newcommand{\bfO}{\abcbf O}
61 \newcommand{\bfP}{\abcbf P}
62 \newcommand{\bfQ}{\abcbf Q}
63 \newcommand{\bfR}{\abcbf R}
64 \newcommand{\bfS}{\abcbf S}
65 \newcommand{\bfT}{\abcbf T}
66 \newcommand{\bfU}{\abcbf U}
67 \newcommand{\bfV}{\abcbf V}
68 \newcommand{\bfW}{\abcbf W}
69 \newcommand{\bfX}{\abcbf X}
70 \newcommand{\bfY}{\abcbf Y}
71 \newcommand{\bfZ}{\abcbf Z}

```