Sütterlin and Fraktur characters in mathematics.

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1 Introduction

Back in Spring 2014 I audited a course with John Steele at Berkeley. One minor stumbling block I had was his use of Sütterlin in lieu of Fraktur for models on the board, so I thought I would collect them. If anyone knows of any common usages of Fraktur you should let me know.

2 Tables of Characters

2.1 Common Characters

Fraktur	Latin	Sütterlin	Common Instances
$\mathfrak{A}$	A	$\mathscr{A}$	Models
$\mathfrak{B}$	B	$\mathscr{B}$	Models
$\mathfrak{C}$	C	$\mathscr{C}$	Models
$\mathfrak{H}$	H	$\mathscr{H}$	
$\mathfrak{L}$	L	$\mathscr{L}$	
$\mathfrak{M}$	M	$\mathscr{M}$	Models
$\mathfrak{N}$	N	$\mathscr{N}$	Models (Often models of arithmetic)
$\mathfrak{R}$	R	$\mathscr{R}$	Models (Often of Real Closed Fields), Jacobson Radical
$\mathfrak{a}$	a	$\mathscr{a}$	Ideals
$\mathfrak{b}$	b	$\mathscr{b}$	Ideals
$\mathfrak{c}$	c	$\mathscr{c}$	Ideals, Cardinality of $\mathbb{R}$
$\mathfrak{m}$	m	$\mathscr{m}$	Maximal Ideals
$\mathfrak{p}$	p	$\mathscr{p}$	Prime Ideals