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

2.2   Exhaustive List

Fraktur	Latin	Sütterlin	Fraktur	Latin	Sütterlin
𝔄	A	a	𝔅	B	b
ℭ	C	c	𝔇	D	d
𝔈	E	e	𝔉	F	f
𝔊	G	g	ℌ	H	h
ℑ	I	i	𝔍	J	j
𝔎	K	k	𝔏	L	l
𝔐	M	m	𝔑	N	n
𝔒	O	o	𝔓	P	p
𝔔	Q	q	ℜ	R	r
𝔖	S	s	𝔗	T	t
𝔘	U	u	𝔙	V	v
𝔚	W	w	𝔛	X	x
𝔜	Y	y	ℨ	Z	z
𝔞	a	a	𝔟	b	b
𝔠	c	c	𝔡	d	d
𝔢	e	e	𝔣	f	f
𝔤	g	g	𝔥	h	h
𝔦	i	i	𝔧	j	j
𝔨	k	k	𝔩	l	l
𝔪	m	m	𝔫	n	n
𝔬	o	o	𝔭	p	p
𝔮	q	q	𝔯	r	r
𝔰	s	s	𝔱	t	t
𝔲	u	u	𝔳	v	v
𝔴	w	w	𝔵	x	x
𝔶	y	y	𝔷	z	z