MATHEMATICAL ABBREVIATIONS

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Contents

1. Introduction

This is a document for mathematical abbreviations. See wiki for a more completed description. See also the mathematical jargons.

2. Jargons

c.f.	compare (as a reference)
WLOG	without loss of generality

3. Mathematicians

AR	Auslander–Reiten
AS	Artin–Schreier
BB	Baily–Borel
BB	Beilinson-Bernstein
BM	Borel–Moore
BT	Bruhat–-Tits
BWB	Borel–Weil–Bott
CS	Cauchy–Schwarz
CS	Clausen-Scholze
DB	Deligne–Beilinson

DL	Deligne–Lusztig
DM	Deligne–Mumford
DS	Deligne–Serre
ES	Eichler–-Shimura
EW	Eilenberg–Watts
FF	Fargues-Fontaine
FM	Fontaine–-Mazur
FM	Fourier–Mukai
FM	Freyd–Mitchell
GS	Gram–Schmidt
HT	Hodge–-Tate
JH	Jordan–Hölder
KL	Kazhdan–Lusztig
KS	Krull–Schmidt
LK	Langlands–Kottwitz
LZ	Liu–Zheng
LZ	Lu–Zheng
TW	Taylor–Wiles
WD	Weil–Deligne
SW	Shareshian–Wachs
SS	Stanley–Stembridge

4. SUBJECTS

AG	algebraic geometry
CFT	continuous Fourier transform
CFT	class field theory
CFT	conformal field theory
DDG	discrete differential geometry
DG	differential geometry
GMT	geometrical measure theory
LA	linear algebra
RT	representation theory

LLC	local langlands correspondence
GLC	global langlands correspondence
MMP	minimal model program

5. Geometrical objects

EC	elliptic curve
MF	modular form
TVS	topological vector space
LCTVS	locally convex topological vector spaces
LF	limit of Fréchet spaces

6. Other math stuffs

SC	Schanuel Conjecture
sc	supercuspidal
ss	supersingular
ss	semisimple
ss	semistable
ss	semistandard

7. Universities

HU	Humboldt-Universität zu Berlin
TU	Technische Universität Berlin
FU	Freie Universität Berlin
BMS	Berlin Mathematical School

Berlin:

RTG	Research Training Groups
IMPRS	International Max Planck Research Schools
WIAS	Weierstrass Institute for Applied Analysis and Stochastics

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