

Appendix A

Abbreviations

A.1 Bibliographical information and related things

In the bibliography, I use nearly exclusively the current standard abbreviations for journal titles and the like. The following abbreviations may occur in the bibliography or the main text of the book:

A.1.1 General abbreviations

f	(with page numbers) and the following page
ff	(with page numbers) and the following pages
n.	note (especially footnote)
n.s.	(with volume numbers) new series

A.1.2 Publishers, institutes and research organizations

AMS	<i>American Mathematical Society</i> , Providence/Rhode Island
BI	Bibliographisches Institut Darmstadt
CNRS	<i>Centre national de la recherche scientifique</i>
DFH	Deutsch-Französische Hochschule, Saarbrücken
DMV	Deutsche Mathematikervereinigung
ENS	<i>École Normale Supérieure</i>
EPT	<i>École polytechnique</i>
ICM	<i>International Congress of Mathematicians</i>
IHES	<i>Institut des Hautes Études Scientifiques</i> , Bures-sur-Yvette

IHP	<i>Institut Henri Poincaré</i> , Paris
LMS	<i>London Mathematical Society</i>
LPHS	<i>Laboratoire de Philosophie et d'Histoire des Sciences</i> (UMR 7117 CNRS), Nancy
MAA	<i>Mathematical Association of America</i> , Washington/DC
puf	<i>presses universitaires de France</i>
SMF	<i>Société Mathématique de France</i>

A.1.3 Journals, series

JFM	<i>Jahrbuch über die Fortschritte der Mathematik</i> , DMV, De Gruyter/ Berlin								
MR	<i>Mathematical Reviews</i> , AMS								
SC	<i>Séminaire Cartan</i> . The papers are accessible online under http://www.numdam.org/numdam-bin/feuilleter .								
SGA	<i>Séminaire de Géométrie Algébrique</i> , IHES. The volumes used and their bibliographical references are <table style="margin-left: 2em;"> <tr> <td>SGA 1</td> <td>(Grothendieck 1971)</td> </tr> <tr> <td>SGA 4 vol.1</td> <td>(Artin, Grothendieck, and Verdier 1972)</td> </tr> <tr> <td>SGA 4$\frac{1}{2}$</td> <td>(Deligne 1977)</td> </tr> <tr> <td>SGA 5</td> <td>(Illusie 1977)</td> </tr> </table>	SGA 1	(Grothendieck 1971)	SGA 4 vol.1	(Artin, Grothendieck, and Verdier 1972)	SGA 4 $\frac{1}{2}$	(Deligne 1977)	SGA 5	(Illusie 1977)
SGA 1	(Grothendieck 1971)								
SGA 4 vol.1	(Artin, Grothendieck, and Verdier 1972)								
SGA 4 $\frac{1}{2}$	(Deligne 1977)								
SGA 5	(Illusie 1977)								
stw	<i>suhrkamp taschenbuch wissenschaft</i>								
Zbl.	<i>Zentralblatt für die Mathematik und ihre Grenzgebiete</i> , Berlin: Springer								
Ω	<i>Ω-Bibliography of Mathematical Logic</i> , ed. Gert H.Müller. Heidelberg: Springer 1987								

A.2 Mathematical symbols and abbreviations

$AB \exists$ etc.	see 3.3.3.4
AC	the axiom of choice
AFA	the antifoundation axiom; see (Barwise and Moss 1991)
Cat	the category of all categories
\mathcal{C}^{op}	the category dual (or opposite) to \mathcal{C}
CH	the continuum hypothesis
CT	category theory

ETCS	Lawvere’s “elementary theory of the category of sets”, see 7.2.1
E/X	the category of <i>espaces étalés</i> over the space X (see 3.3.3.1)
FA	the foundation axiom
Grp	the category of groups
Htop	the homotopy category (objects: topological spaces; arrows: homotopy classes of continuous mappings)
NBG	v. Neumann–Bernays–Gödel class theory
$\text{Open}(X)$	the category whose objects are the open sets of a topological space X and whose arrows are the inclusions between these sets
$\mathfrak{P}(X)$	the power set of a set X
Set	the category of sets
$\text{Shv}(X)$	the category of sheaves (presheaves fulfilling the sheaf conditions) of sets over the space X (see 3.3.3.1)
Top	the category of topological spaces
ZF	Zermelo–Fraenkel set theory
ZFC	ZF + AC

A.3 Bourbaki

For more on the Bourbaki sources, see (Krömer 2006b).

$n^\circ X$	Bourbaki manuscript number X
<i>La Tribu X</i>	Number X of Bourbaki’s internal journal <i>La Tribu</i> (collecting the minutes of the Bourbaki congresses)
congress X (1951.2) etc.	shorthand for “congress to which <i>La Tribu X</i> belongs” This shorthand serves to have the chronology present without consulting my article on Bourbaki; (1951.2) signifies the second congress of 1951 (usually, there were three each year).

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