

INDEX OF DEFINITIONS

Definitions not numbered in the text are indexed here by the number of the theorem, lemma, or definition immediately preceding; thus “1.0.3 ff.” indicates an unnumbered definition occurring in the body of the text after definition 1.0.3.

1.0.1	(κ, ν) -extender	5
1.0.2	(κ, ν) pre-extender	5
1.0.3	strongly acceptable	6
1.0.3 ff	generator of E	6
1.0.3	natural length of E	6
1.0.3 ff	trivial completion	6
1.0.4	good at α	7
1.0.5	ppm (potential premouse)	7
1.0.5	active	7
1.0.5	passive	7
1.0.8	weakly amenable	8
2.0.1	types I, II, and III active ppm	10
2.0.2	the language \mathcal{L}	10
2.0.2 ff.	$\gamma^{\mathcal{M}}$	11
2.0.3	$r\Sigma_0$	11
2.0.4	$r\Sigma_1$	11
2.3.1	the language \mathcal{L}^+	13
2.3.2	$r\Sigma_1$	14
2.23	basic Skolem term	14
2.3.4	Sk_n	14
2.3.5	generalized $r\Sigma_n$	14
2.3.6	$\text{Th}_n^{\mathcal{M}}(X)$	14
2.3.6	$\dot{T}_n^{\mathcal{M}}(a, b)$	14
2.3.7	$H_n^{\mathcal{M}}(X)$	15
2.3.8	cofinal $r\Sigma_0$ embedding	15
2.3.9	rQ	15
2.7.2	$<_{\text{lex}}$	21
2.7.3	k th standard parameter of (\mathcal{M}, q)	21
2.7.4	k solid over (\mathcal{M}, q)	21
2.7.5	k -universal over (\mathcal{M}, q)	22
2.8.1	$\mathfrak{C}_k(\mathcal{M})$, the k the core of \mathcal{M}	23
2.8.1	$\rho_k(\mathcal{M})$, the k th core projectum of \mathcal{M}	23
2.8.1	$p_k(\mathcal{M})$, the k th core parameter of \mathcal{M}	23
2.8.2	\mathcal{M} is k -solid	24
2.8.3	\mathcal{M} is k -sound	24
2.8.4	k -embedding	24
3.0.1	\mathcal{M}^{sq}	28
3.1.1	squashed ppm (sppm)	29

3.1.2	the language \mathcal{L}^*	29
3.1.4	P -formula	29
3.3.1	the language \mathcal{L}^{**}	32
3.3.2	$q\Sigma_n$	32
3.3.3	$\tau_\varphi(v_0 \cdots v_k)$	32
3.3.4	SK_n	32
3.3.5	generalized $q\Sigma_n$	32
3.5.1	premouse	33
4.0 ff.	$\text{Ult}_n(\mathcal{M}, E)$	34
4.4.1	E is close to \mathcal{M}	42
5.0.1	tree order	47
5.0.2	$[\beta, \gamma]_T$	47
5.0.3	$T\text{-Pred}(\gamma + 1)$	47
5.0.4	$\mathcal{J}_\gamma^\mathcal{M}$	47
5.0.5	\mathcal{M} is an <i>initial segment</i> of \mathcal{N}	47
5.0.6	\mathcal{M} and \mathcal{N} agree below γ	47
5.0.6 ff.	iteration tree on \mathcal{M}	47
5.0.6 ff.	$D^T, E_\alpha^T, \mathcal{M}_{\alpha+1}^*$	47
5.1 ff.	maximal, cofinal, wellfounded branch of T	50
	wellfounded branch	50
5.25	simple	50
5.1.3	k -bounded iteration tree	51
5.1.4	k -iterable ppm	51
5.1.5	1-small ppm	52
5.1.7 ff.	weak n -embedding	52
5.2 ff.	weak n -embedding from T to \mathcal{U}	54
5.2 ff.	tree embedding from T to \mathcal{U}	54
5.2 ff	the copying process: πT	54
6.13	n -maximal	61
7.0 ff.	padded iteration tree	69
9.1.1	bicephalus	91
10.0.1	pseudo-premouse	96
11.0 ff.	reliable premouse	99
12.1.1	λ -dropdown sequence of \mathcal{M}	109
12.1.1 ff.	(j, ξ) -resurrection sequence for E	109
12.1.1 ff.	(t, λ) -dropdown sequence for \mathcal{M}	109
12.1.1 ff.	p th partial resurrection of E	113
12.1.1 ff.	complete resurrection of E	113