This description is an excerpt from the Documentation for the Computer-Readable Version of the Second Reference Catalogue of Bright Galaxies (RC2), *catalogue numbered* **VII/122**, *prepared by Theresa A. Nagy and Robert S. Hill (April 1981), revised by Suzan E. Gessner and Lee E. Brotzman (December 1990) for NASA Goddard Space Flight Center, Greenbelt, MD 20771*

Contents

1 Coding of revised morphological types

Classes	Families	Varieties	Stages	T	Type	Code
Ellipticals		Compact		−6	cE	cE . . .
			Ellipt. (0–6)	−5	E0	. E . 0 .
			Intermediate	−5	E0–1	. E . 0+
		“cD”		−4	E+	. E^{+} . .
Lenticulars					S0	. L
	Non-barred				SA0	. LA
	Barred				SB0	. LB
	Mixed				SAB0	. LX
		Inner ring			S(r)0	. L . R
		S-shaped			S(s)0	. L . S
		Mixed			S(rs)0	. L . T
			Early	−3	$S0^{-}$	. L . . −
			Intermediate	−2	$S0^{\circ}$	. L . . 0
			Late	−1	$S0^{+}$	. L . . +
Spirals	Non-barred				SA	. SA
	Barred				SB	. SB
	Mixed				SAB	. SX
		Inner ring			S(r)	. S . R
		S-shaped			S(s)	. S . S
		Mixed			S(rs)	. S . T
			0/a	0	S0/a	. S . . 0
			a	1	Sa	. S . . 1
			ab	2	Sab	. S . . 2
			b	3	Sb	. S . . 3
			bc	4	Sbc	. S . . 4
			c	5	Sc	. S . . 5
			cd	6	Scd	. S . . 6
			d	7	Sd	. S . . 7
			dm	8	Sdm	. S . . 8
			m	9	Sm	. S . . 9
Irregulars	Non-barred				IA	. IA
	Barred				IB	. IB
	Mixed				IAB	. IX
		S-shaped			I(s)	. I . S
			Non-Magellanic	90	I0	. I . 0
			Magellanic	10	Im	. I . . 9
		Compact		11	cI	cI
Peculiars				99	Pec	. P
Peculiarities			Peculiarity		pec	. . . . . P
(All types)			Uncertain		:	. . . . *
			Doubtful		?	. . . . ?
			Spindle		sp	. . . . . /
			Outer ring		(R)	R . . . . . .
			Pseudo-outer R		(R′)	P . . . . . .

2 Conversion of Hubble Types to Revised System

Hubble	Revised	T
E	E	-5
E-S0	L-:	-3:
S0	L	-2
IrrII	I0	0:
S0/a	S0/a	0
Sa	Sa	1
Sa-b	Sab	2
Sb	Sb	3
Sb-c	Sbc	4
Sc	Scd:	6:
Sc-Irr	Sdm:	8:
IrrI	Im	10
S...	S.	3?
S"early"	S.(Sa?)	1?
S"late"	S.Sc?	5?

3 Codes for telescope sources of revised types

Observatory	Tel. Ap. (in.)	Code	Observatory	Tel. Ap. (in.)	Code
Palomar	200	P200.	Mt. Wilson	60	W060.
Lick	120	L120.	Tautenburg	52	T052.
Mt. Wilson	100	W100.	Palomar (prints)	48	P048.
McDonald	82	M082.	Palomar (glass)	48	PG48.
Radcliffe	74	R074.	ESO	40	E040.
Mt. Stromlo	74	S074.	Siding Spring	40	S040.
USNO (Flagstaff)	61	N061.	Lick	36	L036.
Boyden	60	B060.	Mt. Stromlo	30	S030.
Cordoba	60	C060.			

4 Codes for author sources of revised types

Code	Reference
....B	Buta, R., Publ. Warner and Swasey Obs., II, in press, 1976
....C	Corwin, H. G., Publ. Dept. Astr. U. Texas, II, 2, No. 12, 1968; II, 3, No. 5, 1970; PASP, 83, 320, 1971; unpublished 1971-1975.
....F	Fisher, J. R., and Tully, R. B., A&A, 44, 151, 1975
....H	Holmberg, E., et al., A&AS, 18, 463 and 491, 1974
....N	Nilson, P., UGC, 1973; Uppsala Obs. Rep. No. 5, 1974
....R	Rood, H. J., and Baum, W. A., AJ, 72, 398, 1967
....V	de Vaucouleurs, G., ApJS, No. 74, 1963; RC1, 1964; unpublished 1964-1975.

5 Codes for Yerkes (Morgan) types

Classes	Type	Code	Classes	Type	Code
Elliptical	E(0-7)	E0	Irregular	I	I
	E-D	ED		S-I	SI
	D-E	DE		I-S	IS
	S-E	SE		I-B	IB
Dusty		D		B-I	BI
	D-S	DS	Peculiarities	L(1)	..L
	S-D	SD		P	..P
Spiral	S	S		?,:	*
				Color Classes	Code
Barred	B	B		a	A
	(B)	SX		af	AF
	B-S	BS		f	F
	S-B	SB		fg	FG
				g	G
				gk	GK
				k	K
				:	*

(1) Low surface brightness

6 Coding of DDO (van den Bergh) Types

Classes	Families	Stages	Type	Coding	Notes
Elliptical		Ellipcicity (0-9)	E0	E 0	(1)
Sprial	Ordinary		S	S	
	Barred		SB	S B	
	Intermediate		S (B)	S X	
		a	Sa	S 0	
		b-	Sb-	S 2	
		b	Sb	S 3	
		b+	Sb+	S 4	
		c	Sc	S 5	
		-	S-	S 6	
		+	S+	S 7	
Irregular			Ir	I	
			Ir+	I 9	
Peculiar			P	P	
Peculiarities		Bright nucleus	N	N	
		Nebulous arms, mild case	(n)	N-	(2)
		Nebulous arms, normal	n	N	
		Nebulous arms, extreme	nn	N+	
		Patchy arms, mild case	(*)	K-	
		Patchy arms, normal	*	K	
		Patchy arms, extreme	**	K+	
		Distorted arms,mild case	(t)	T-	
		Distorted arms, normal	t	T	
		Distorted arms, extreme	tt	T+	
		Peculiarity	p	P	
		Uncertain ?,:,()		* * *	(3)
Luminosity Classes	Code	Luminosity Classes	Code		
I	1	III-IV	6		
I-II	2	IV	7		
II	3	IV-V	8		
II-III	4	V	9		
III	5				

(1) Includes lenticulars, especially in ES, E9
(2) Combined cases are coded NK, NT, etc
(3) Applies to symbol or group of symbols immediately preceding it