

*MANUSCRIPT CATALOGUING IN A COMPARATIVE PERSPECTIVE:
STATE OF THE ART, COMMON CHALLENGES, FUTURE DIRECTIONS*

Codifying physical features

Patrick Andrist / Marilena Maniaci

HAMBURG, UNIVERSITY OF HAMBURG,
CENTRE FOR THE STUDY OF
MANUSCRIPT CULTURES



Codifying physical features

- discursive description / enumeration
- graphic coding devices / tables etc.
- alphanumeric coding formulas

Codifying physical features

A. example 1: quire collation



Genavensis grec 19

A. quire collation

1. discursive description / enumeration

COMP.- I tre ff. iniziali (ff. 1-3), incollati, sono seguiti da un quaternione mutilo (ff. 5-10) il cui *bifolium* esterno è stato sostituito da un f. cart. (f. 4, XV-XVI s.) all'inizio e da 1 f. cart. (f. 11, XV-XVI s.) in fine; segue un quaternione rilegato in disordine; il *bifolium* esterno è stato rilegato alla fine del quaternione e numerato f. 20, f. 21; i fogli presunti mancanti sono stati sostituiti dai ff. cart. 12,19 (XV-XVI s.); il f. 21 è seguito dal f. 22, cart. (XV-XVI s.), bianco r.v., eccetto una invocazione pia.

Seguono 9 quaternioni regolari (ff. 23-94), un binione (ff. 95-98), 23 quaternioni regolari (ff. 99-282); seguono tre ff. (ff. 283-285) incollati a fine testo dei salmi; seguono 3 quaternioni regolari (ff. 286-309).

Cataldi-Palau, Genova, Urban. 3 (1990)

Partes praecipuae duae supplementis auctae; fasciculi 45 quaterniones (si excipias 1 folia tria, 2 folia quinque, 11 et 40 folia novem continentes, 3 ternionem).

Devreesse, Bibl. Vaticana, Vat. gr. 469 (1937)

« Two main parts with supplements: 45 quaternios (except for 1 three folios, 2 five folios, 11 and 40 nine folios and 3 a ternion) »

A. quire collation

2a. Tables

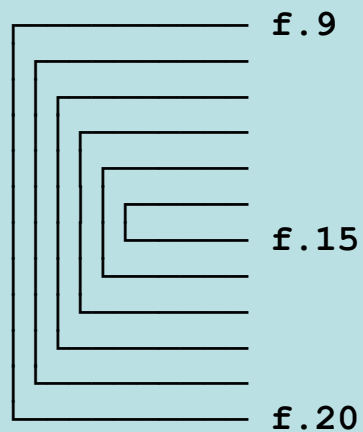
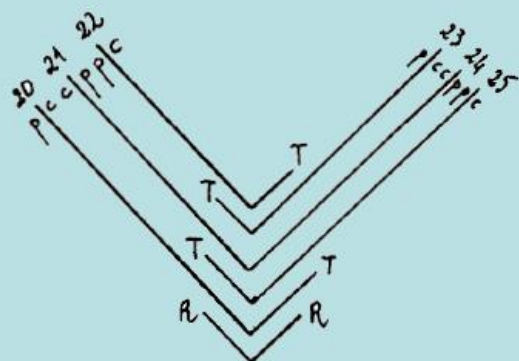
Description of the Quires

Numbers	Folios	Description
1	1r-7v	Seven folios
2	8r-15v	Quaternion
3	16r-22v	Seven folios
4	23r-28v	Six folios
5	29r-36v	Quaternion
6	37r-42v	Ternion
7	43r-48v	Six folios; the beginning of the cruciform text

Kavrus-Hoffmann, *Dumbarton Oaks*, codex 1 (1996)

A. quire collation

2b. Graphic representations



4

22	MT	23		M	a	t	t	h	a	e	u	s	29	T	T
	h	t	T	T	T	T	T	T	T	T	T	T	T	T	T

A. quire collation

2b. graphic representations

Lage	Legen- ordnung	Follierung neue alte	orig. Sign.	Lage	Legen- ordnung	Follierung neue alte	orig. Sign.	Lage	Legen- ordnung	Follierung neue alte	orig. Sign.	
1		1 1		9		63 65	E	17		127 129	M	
		2 2				64 66					128 130	
		3 3				65 67					129 131	
		4 4				66 68					130 132	
		5 5				67 69					131 133	
		6 6				68 70					132 134	
		7 7				69 71					(fehlt)	
2		(=fol. 7)		10		71 73	F	18		133 137		
		8 8				72 74					134 138	c
		9 9				73 75					135 139	c
		10 10				74 76					136 140	
		11 11				75 77					137 141	
	12 12			76 78				138 142				
	13 13			77 79				139 143				
	(fehlt)			78 80		G		140 144				
								141 145				
								142 146	p			
3		14 15		11		79 81	G	19		143 147	p	
		15 16				80 82					144 148	
		16 17				81 83					145 149	
		17 18				82 84					146 150	
		18 19				83 85					147 151	
	19 20			84 86				148 152				
	20 21			85 87				149 153				
	21 22			86 88		h		150 154	q			
4		22 23		12		87 89	h	20		151 155		
		23 24				88 90					152 156	
		24 25				89 91					153 157	
		25 26				90 92					154 158	
		26 27				91 93					155 159	
	27 28			92 94				156 160				
	28 29			93 95				157 161				
	29 30		a	94 96		i		158 162				
5		30 31		13		95 97	i	21		159 163		
		31 32				96 98					160 164	
		32 33				97 99					161 165	
		33 34				98 100					162 166	
		34 35				99 101					163 167	
	35 36			100 102				164 168				
	36 37			101 103				165 169				
	37 38		b	102 104		k		166 170				
6		38 39	b	14		103 105	k	22		167 171		
		39 40				104 106					168 172	
		40 41				105 107					169 173	
		41 42				106 108					170 174	
		42 43				107 109					171 175	
	43 44			108 110				172 176				
	44 45			109 111				173 177				
	45 46		c	110 112		L		174 178				
7		46 47	c	15		111 113	L	23		175 179		
		47 48				112 114					176 180	
		48 49				113 115						
		49 50				114 116						
		50 51				115 117						
	51 52			116 118								
	52 53			117 119								
	53 54		d	118 120		M						
8		54 55	d	16		119 121	M			177 181		
		55 56				120 122						
		56 57				121 123						
		57 58				122 124						
		58 59				123 125						
		59 60				124 126						
		60 61				125 127						
	(fehlt)			126 128		N						
	61 63											
	62 64		E									

Example from Bischoff 1992 :
 Quire-U-Scheme of codex
 Wolfenbüttel, Cod. Guelf. 65 Helmst

A. quire collation

2. graphic representations

Lage	r 1 v	r 2 v	r 3 v	r 4 v	r 5 v	r 6 v	r 7 v	r 8 v	r 9 v	r 10 v	Lagen- zählung im Kodex
1	1	2	3	4	5	6	7				
2	urspruengl. fol. 7	8	9	10	B 11 B	B 12 B	B 13 B				
3	14	15 Hieron	Brief	Novum	opus	Vorr.	Plures	fuisse	Mt-C	a p i t u l a	Mt-Vorr.
4	22	MT B 23 I	T 24 T	M a t t h a e u s	T 25 T	T 26 T	T 27 T	T 28 T	T 29 T	T 30 T	
5	30 T	T 31 T	T 32 T	M a t t h a e u s	T 33 T	T 34 T	T 35 T	T 36 T	T 37 T	T 38 T	
6	38 T	T 39 T	T 40 T	M a t t h a e u s	T 41 T	T 42 T	T 43 T	T 44 T	T 45 T	T 46 T	
7	48 T	T 47 T	T 48 T	M a t t h a e u s	T 49 T	T 50 T	T 51 T	T 52 T	T 53 T	T 54 T	
8	54 T	T 55 T	M a t t h a e u s	Mk-Vorr.	rede	Mk-Capitula				61	Mk Markus
9	63 T	T 64 T	T 65 T	M a r k u s	T 66 T	T 67 T	T 68 T	T 69 T	T 70 T	T 71 T	
10	71 T	T 72 T	T 73 T	M a r k u s	T 74 T	T 75 T	T 76 T	T 77 T	T 78 T	T 79 T	
11	79 T	T 80 T	T 81 T	T 82 T	M a r k u s	Lk-Cap					
12	i t u l o	Quon- guld.	LK B 89	T 90 T	L u k a s	T 91 T	T 92 T	T 93 T	T 94 T	T 95 T	
13	95 T	T 96 T	T 97 T	T 98 T	L u k a s	T 99 T	T 100 T	T 101 T	T 102 T	T 103 T	
14	103 T	T 104 T	T 105 T	T 106 T	L u k a s	T 107 T	T 108 T	T 109 T	T 110 T	T 111 T	
15	111 T	T 112 T	T 113 T	T 114 T	L u k a s	T 115 T	T 116 T	T 117 T	T 118 T	T 119 T	
16	119 T	T 120 T	T 121 T	T 122 T	L u k a s	T 123 T	T 124 T	T 125 T	T 126 T	T 127 T	
17	127 T	T 128 T	L u k a s	Joh-Vorr.	Joh-Capit	Lk-Vorr.					J o h a n n e s
18	135 T	T 136 T	T 137 T	T 138 T	J o h a n n e s	T 139 T	T 140 T	T 141 T	T 142 T	T 143 T	
19	143 T	T 144 T	T 145 T	T 146 T	J o h a n n e s	T 147 T	T 148 T	T 149 T	T 150 T	T 151 T	
20	151 T	T 152 T	T 153 T	T 154 T	J o h a n n e s	T 155 T	T 156 T	T 157 T	T 158 T	T 159 T	
21	159 T	T 160 T	J o h a n n e s	T 161 T	T 162 T	T 163 T	T 164 T	T 165 T	T 166 T	T 167 T	
22	167 T	T 168 T	T 169 T	T 170 T	C o m e s	T 171 T	T 172 T	T 173 T	T 174 T	T 175 T	
23		E. b. mt.		Kalender- phori							
	175 T	T 176 T	T 177 T								

Example from Bischoff 1992 :
Quire-Diagramm of codex
Wolfenbüttel, Cod. Guelf. 65 Helmst



A. quire collation

3. Formulas

a. The Bradshaw formula system ('English formula')

probably $1^6 2^8(-1) 3^8 4^4(-1) 5^1$

Sosower, Oxford, St. John, SJC 55 (2007)

Garrett MS. 2 is a composite volume consisting of two parts: I (fols. 1r-40v) and II (fols. 41r-327v). **Part I:** $1^{14}, 2-3^8, 4^{6-1}, 5^8$. Between fols. 30 and 31, the fourth folio of the fourth quire (fols. 28r-32v) has been removed with no loss of text. **Part II:** $1^{8+2}, 2^8, 3^{8-1}, 4^{8-1}, 5-6^8, 7^6, 8^8, 9^{8-1}, 10^8, 11^{8-1}, 12^{8+1}, 13^8, 14^{8-1}, 15-17^8, 18^6, 19^{8+1-1}, 20-23^8, 24^6, 25-29^8, \text{fols. } 265-266, 30^{8+1}, 31^8, 32^{8+1-1}, 33-36^8, 37^{8-1}, 38^4$. In the first quire of

Kotzabassi-Ševčenko, Princeton, Garrett 2 (2010)

A.quire collation

3. Formulas

a. The Bradshaw formula system ('English formula')

1^{2+8} (pp. 3-22), le prime due carte [pp. 3-6], probabilmente all'origine un bifoglio, sono attualmente incollate al quaterno costituito dalle pp. 7-22); 2^1 (pp. 23-36), attualmente senza riscontro la c. 35/36); 3^{2+8} (pp. 37-56), le prime due carte [pp. 37-40], probabilmente all'origine un bifoglio, sono attualmente incollate al quaterno costituito dalle pp. 41-56); $4-15^8$ (pp. 57-258); 16^4 (pp. 259-266); $17-20^8$ (pp. 267-330); 21^2 (pp. 331-334; il bifoglio è attualmente privo della cucitura e reso solidale da una brachetta cartacea); $22-31^8$ (pp. 335-494); 32^4 (pp. 495-502).

Casavecchia, *I codici Casin. 98 e 99...*, 2012

A. quire collation

3. Formulas

b. The Chroust formula system ('german formula')

Cahiers, foliotation : $IV^8 + (IV+2)^{18} + 10 IV^{98} + (IV-4)^{102}$

Jurot, Fribourg, MS L 1 (2006)

c. « Chroust+ » formula

Cahiers : $1-7 \cdot IV^{f.1-23,23bis,24-55} + 8 \cdot (IV^{f.58} + 1)^{f.64} + 9-11 \cdot 3 \cdot IV^{f.88} + 12 \cdot (IV^{f.92} - pos.4)^{f.92} + 13-22 \cdot 10 \cdot IV^{f.176} + 23 \cdot (4/3)^{f.183} . -$

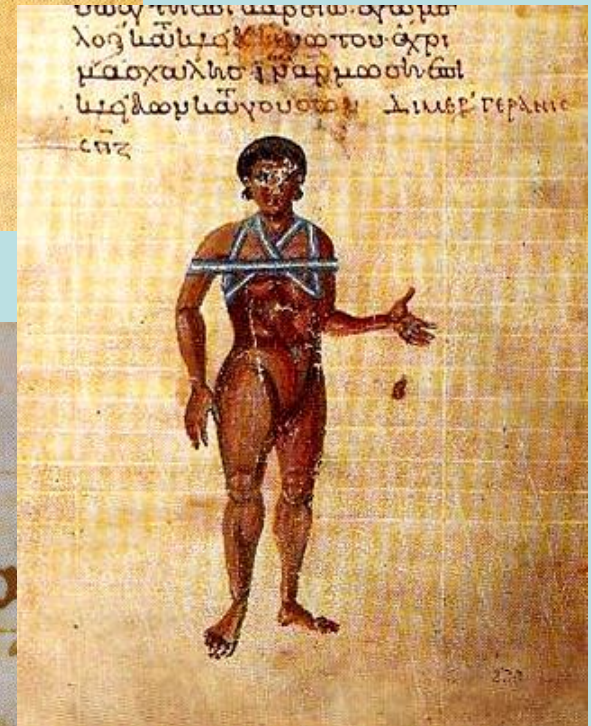
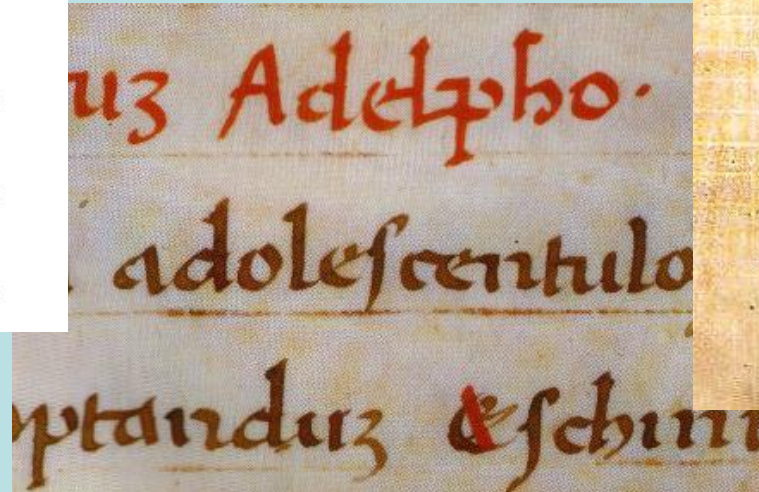
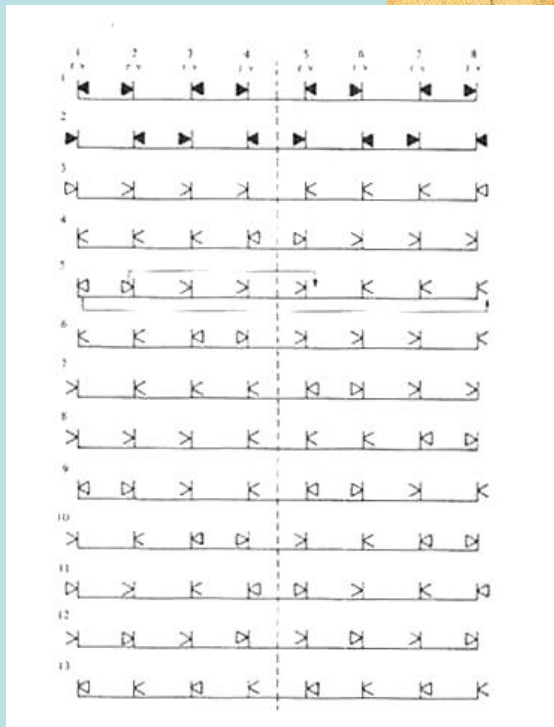
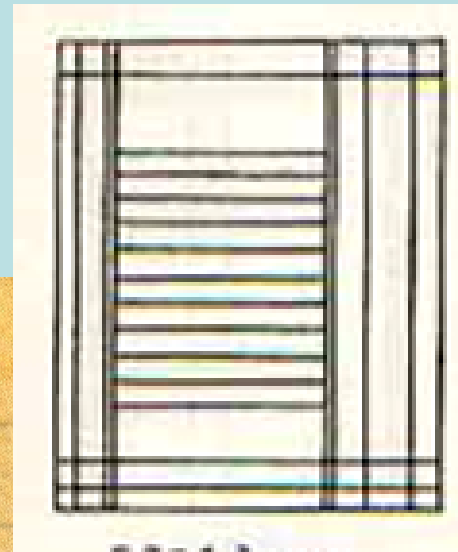
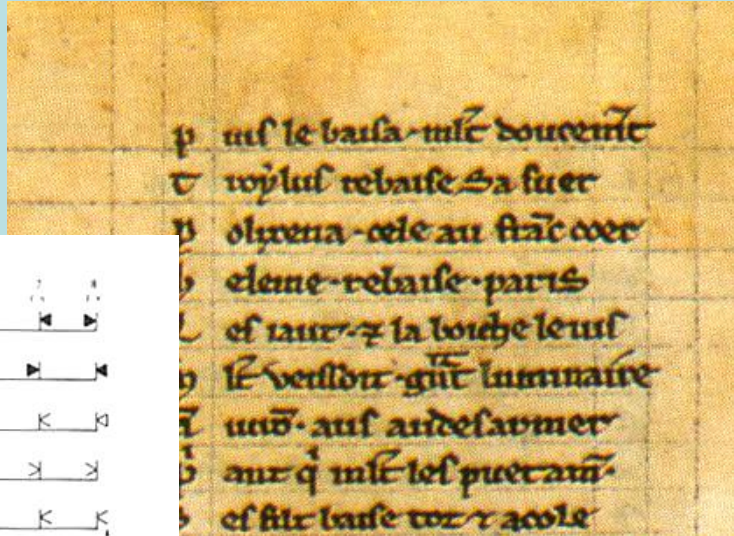
Andrist, Bodm. cod. 25 (2016)

Codifying physical features

A. example 1: quire collation

Explanation, discussion and more examples in an upcoming article by the authors, *Describing quires*

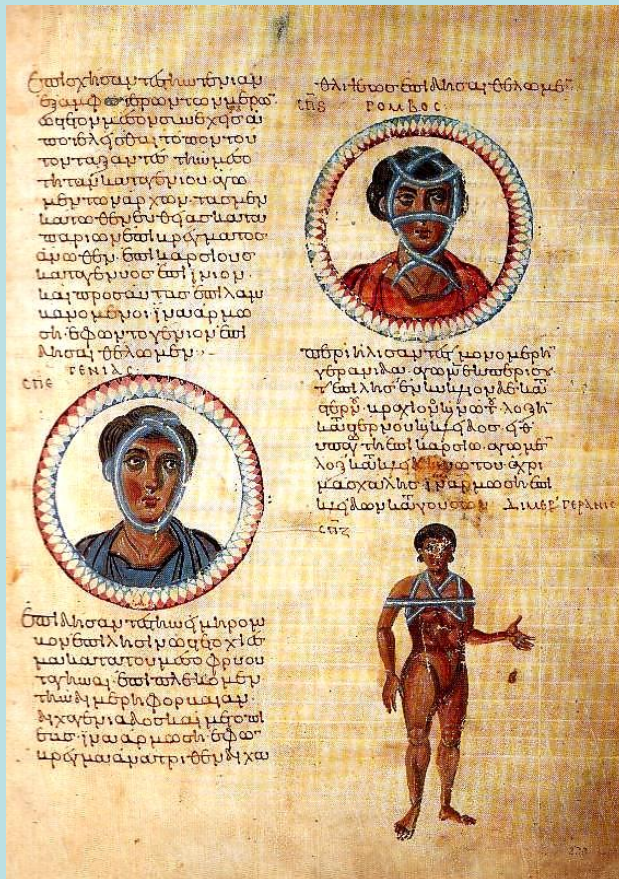
B. Example 2: ruling



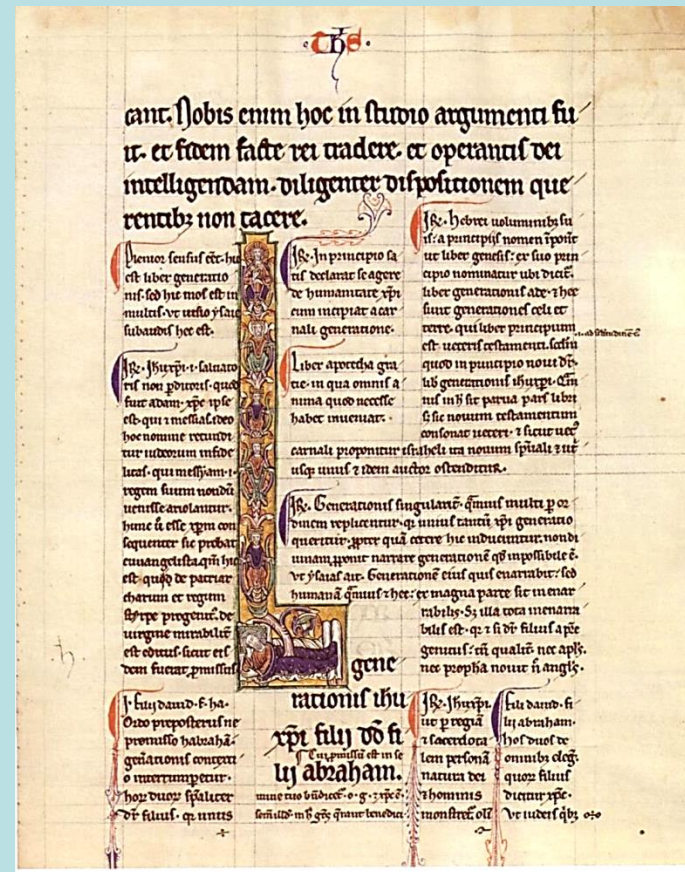
B. ruling

Ruling features – Technique / Mode

Technique = the way lines are engraved ('blind ruling') or instead traced with a colored substance ('plummet' or 'ink ruling'), with different tools, substances and procedures (that is through multiple *modes*)



engraved ruling

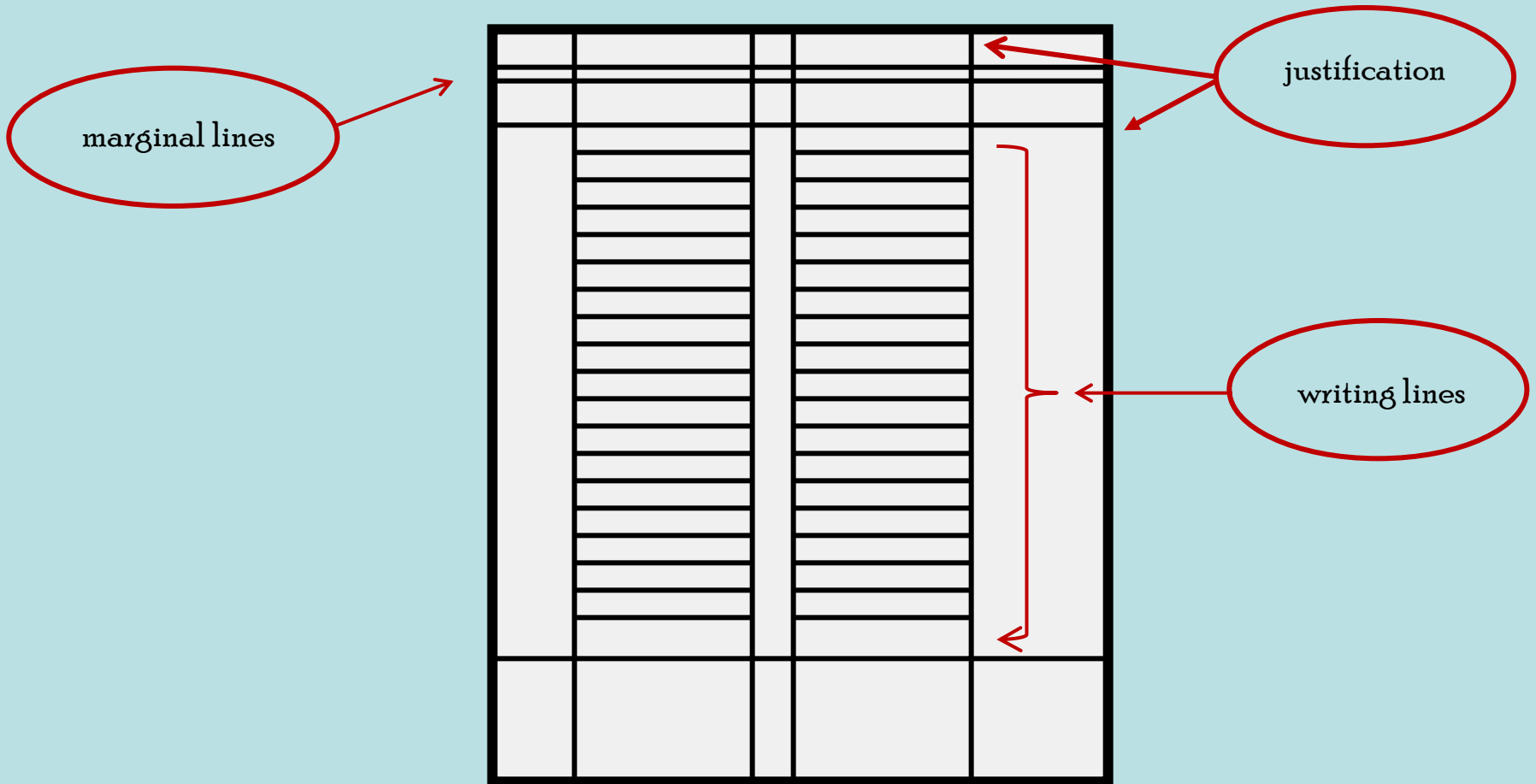


«plummet» ruling

B. ruling

Ruling features – Type / Patron

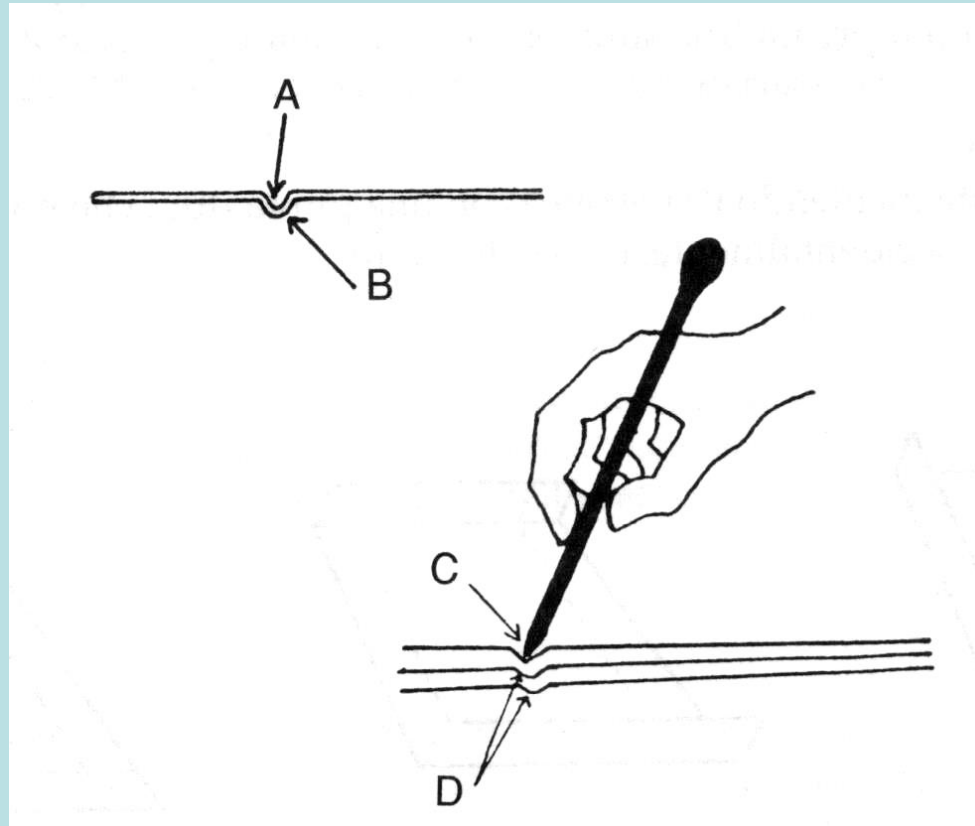
Type = an abstraction / symbolised representation of the concrete design produced by the interweaving of the lines (according to an ideal *patron*)



B. ruling

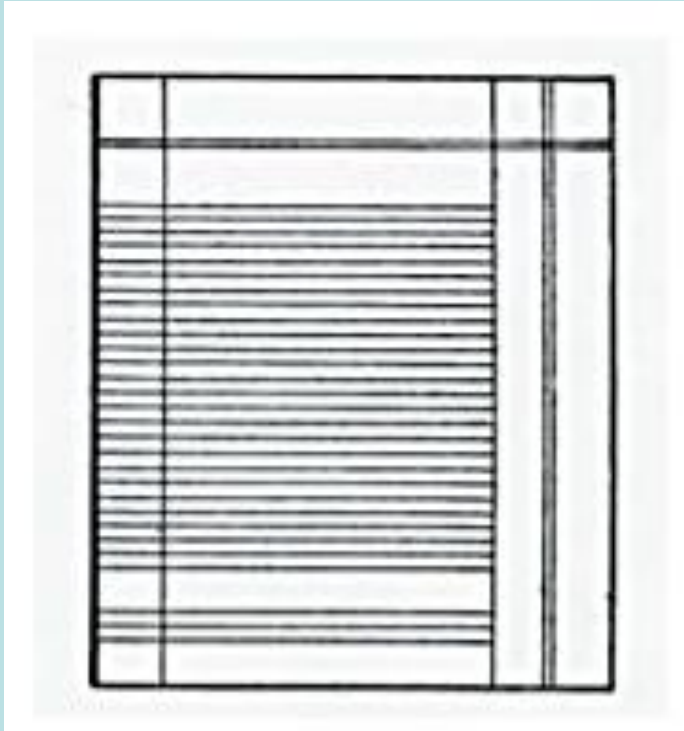
Ruling features - System

System = in the case of blind ruling, the sequence of gestures that the artisan accomplishes to engrave the lines on single sheets or bifolia or on several stacked surfaces, originating a sequence of more or less deep furrows and reliefs



B. Ruling

Ruling types – Lake and Lake («classificatory» approach)



Lake I, 15a

Roman numeral = text on one or more columns

Arabic numeral = subgroup corresponding to the distribution of justification and marginal lines

Minuscule letter = extension of writing lines and position of writing

K. Lake - S. Lake, *Dated Greek Minuscule Manuscripts to the Year 1200*, Boston 1934-1945 (I-X + Indices)

B. ruling

Ruling types – Derolez (simplified groupings)

A. Derolez, *Codicologie des manuscrits en écriture humanistique sur parchemin*, Turnhout 1984

FICHE-MÉMENTO POUR LES DESCRIPTIONS CODÉES (texte complet aux p. 6-23)

Les codes 0, 00, 000, 0000 indiquent que la donnée est absente ou inconnue ou n'a pas été relevée

- 1 Numéro d'ordre
- 2 Lieu
- 3 Date
- 4 Copiste
- 5 Support

- 1 parchemin, les bifeuillets disposés suivant la règle de Gregoire, le côté de première étant le côté chair
- 2 parchemin, les bifeuillets disposés d'une autre façon
- 3 parchemin palimpseste

- 6 Hauteur des feuillets en mm
- 7 Largeur des feuillets en mm
- 8 Nombre de feuillets ou de volumes (dans ce dernier cas le nombre est suivi de \$)

9 Composition des cahiers

- 2 binions (II)
- 3 ternions (III)
- 4 quaternions (IV)
- 5 quinions (V)
- 6 sémons (VI)
- 7 mélange de quaternions et de quinions (IV + V)
- 9 autres compositions ou combinaisons, cahiers irréguliers

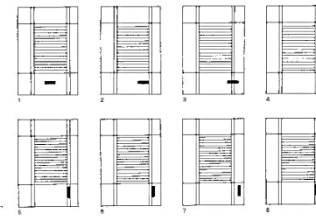
10 Signatures de cahiers

- 1 un chiffre à la dernière page
- 2 une lettre à la dernière page
- 3 un chiffre à la première page
- 4 une lettre à la première page
- 5 un chiffre à la première et à la dernière page
- 6 une lettre à la première et à la dernière page
- 7 un chiffre et une lettre à la dernière page
- 8 un chiffre et une lettre à la première et à la dernière page
- 9 autres systèmes

11 Signatures de feuillets

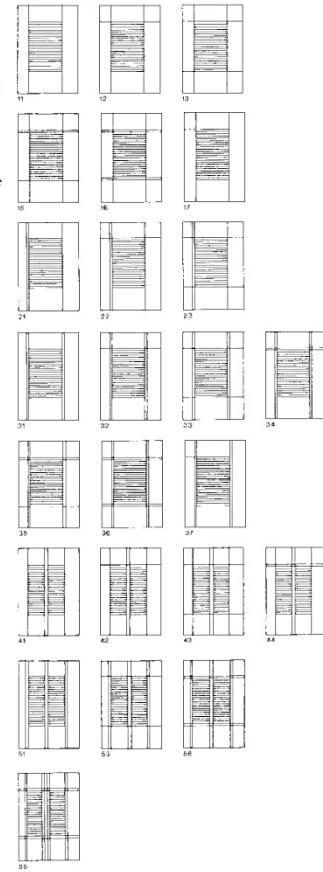
- 1 type a1 a2 a3 a4 a5 ...
- 2 type 1a 2a 3a 4a 5a ...
- 3 type a1 a2 a3 a4 a5 + (ou a6) ...
- 4 type a1 a2 a3 a4 a5 a6 a7 a8 a9 a10 ...
- 5 type 1 2 3 4 5 ...
- 6 type a1 a2 a3 a4 a5 ... b6 b7 b8 b9 b10 ...
- 9 autres systèmes

12 Réclames



9 autres types

13 Régures, types de base

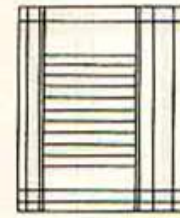


B. ruling

Ruling types – Leroy – Sautel (encoding formula)

J. Leroy, *Les types de réglure des manuscrits grecs*, Paris 1976

J.-H. Sautel, *Répertoire des réglures dans les manuscrits grecs sur parchemin: base de données établie par Jacques-Hubert Sautel à l'aide du fichier Leroy et des catalogues récents à l'Institut de Recherche et d'Histoire des Textes*, Turnhout 1995



53D1dgsx



54C1q



54C1qx



54C2



54C2t



54C2x



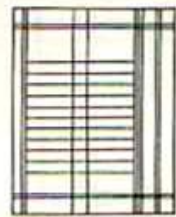
54D1sx



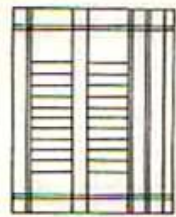
54D1q



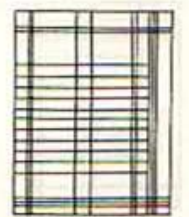
54D1x



54D2q



54E2



55B2dx



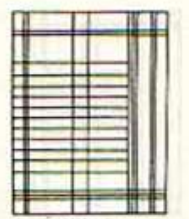
55C2cx



55D2cet



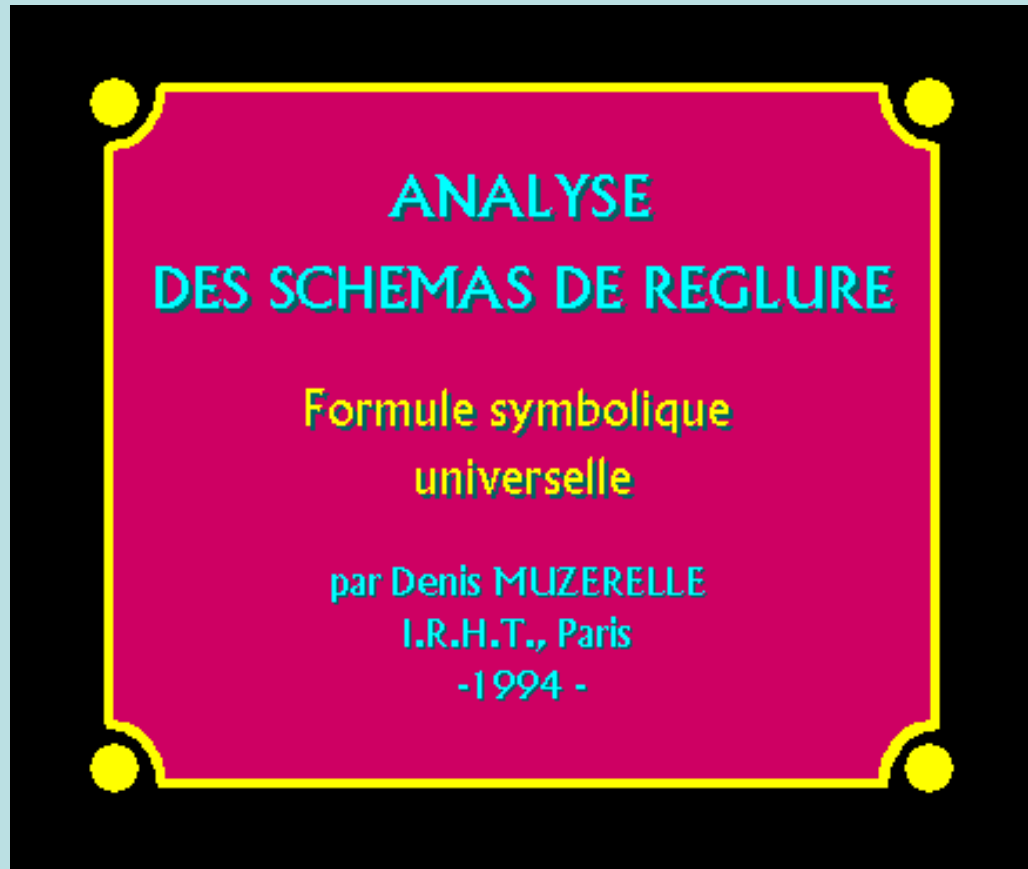
55C2df



55C2dq

B. ruling

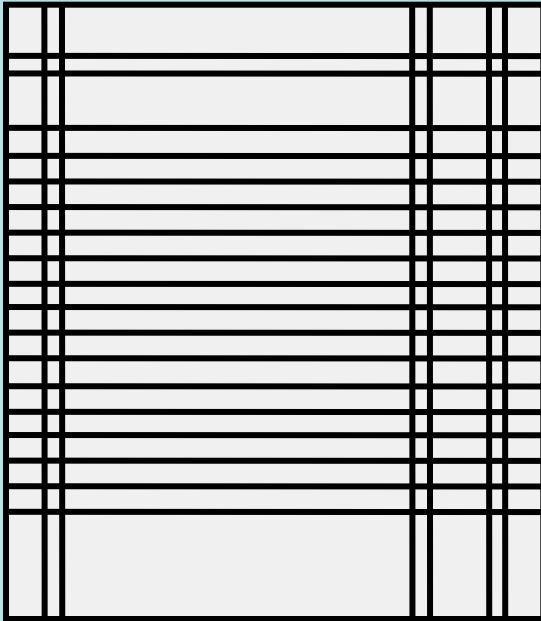
Ruling types – Muzerelle (encoding formula)



D. Muzerelle, *Pour décrire les schémas de réglure: une méthode applicable aux manuscrits latins (et autres)*, «Quinio, International Journal on the History and Conservation of the book», 1 (1999), 123-170

B. Ruling

Ruling types – Leroy's formula (main principles)

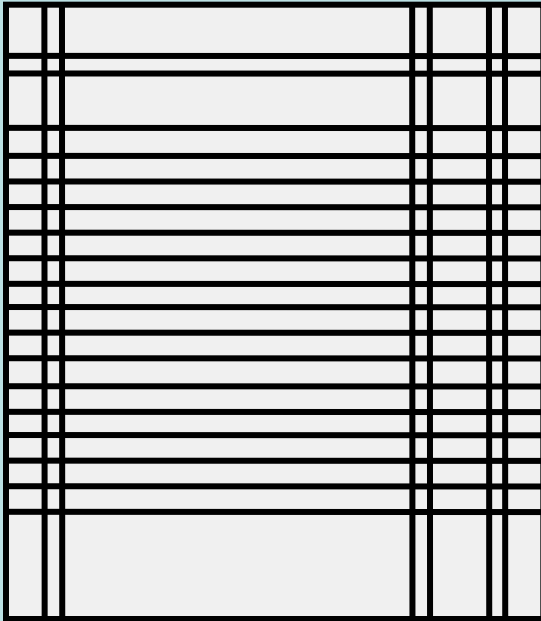


1. vertical lines (except justification)
2. horizontal lines
3. extension of writing lines
4. layout (columns)
- [5. distribution of marginal lines]

42A1a

B. Ruling

Ruling types – Muzerelle's formula (main principles)



1. vertical lines
2. horizontal marginal lines
3. «major» writing lines
4. extension of writing lines

[in each zone (1, 2, 3) lines are described from the inside to the outside of the page and from top to bottom]

2-22 / 2-0 / 0 / A

C. conclusions

The ideal codification

complete = it should provide information on all the elements that are considered necessary for the characterization of a given codicological phenomenon

coherent = the same type of feature should be codified according to the same principles

univocal (or *unambiguous*) = it should describe one and only one instance of the encoded phenomenon

open = it should allow the description of all (or almost all) the manifestations of the considered phenomenon, including those not yet encountered in the practice of observation;

modular = it should be possible to decompose the formula into areas or sections, in order to allow the separate analysis of the characteristics of the described phenomenon

Thank you!

Patrick Andrist patrick.andrist@lmu.de

Marilena Maniaci marilena.maniaci@unicas.it