version 2022/1.0

### hershey.mp

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This package can read the jhl format, used for the well known Hershey Fonts. Use it like so:

```
% Where to look for font files (this is also the default)
hersheyFonts := "/usr/share/hershey-fonts/";
% Load the font you want to use
loadHershey timesib;
% Draw a character
beginfig(1)
    drawHershey timesib(7) rotated 180 withcolor .75red;
endfig;
% Or typeset a string
beginfig(2)
    drawHershey timesib("Hello!") withcolor .75red;
endfig;
```

This results in the following pictures:



Typesetting a string will only make sense for the latin fonts, where Hershey's encoding is in ASCII order. For strings, the baseline is adjusted upward by 9 units.

Typical x-height is 14 units (of which 9 are below y = 0), with an em-space of 21 units.

The paths that make up each character are available to you in the array hershey. <fontname>[<charid>][]. You will rarely need this, however, since the trailing tokens to drawHershey will be applied to all paths.

Proof sheets of Hershey's original fonts are included in the following pages.

#### Licence

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https://joinup.ec.europa.eu/collection/eupl/eupl-text-eupl-12

### timesr

1	9	25	37	19	61	73	85
•		0	38	50	62	, 74 1	86
**************************************	15	27 •	39		63	, 75	87
4	16	28 • •	40	52	64	76	***
5	17	29	41	53	65		89
	18	30	42	54	a 66	78	90
	2	31	J 43	55	67	79	91
8	3	32	44	56	68	80	§ 92
9	1	33	45	57	69	10 81	93
10	5	34	46	58	70	82	94
*	23		47	59	71	83	95
12	24	36	48	60	<u>S</u>	S 84	96

### timesi

1	9	25		19	61	h	85
. 2		9	38	50	62	* <sup>74</sup>	W 86
//	15 ❖	27 •	39	F 51	63	) 75	V 87
4	16	28 • •	40	52	64	$\mathcal{K}$	W 88
\$ 5	17	29		53	65	<i>l</i> 77	JC 89
6	18	30	<u> </u>	54	66	78	90 Y
&	$\sum_{i=1}^{19}$	31	43	55	67	79 N	$\overline{z}$
* * * * * * * * * * * * * * * * * * *	3	? •	44	56	68	80	92
9	4	33	45	57	A 69	20	93
) 10	5	34	146	58	P 70	92	94
*	6		47	59	J*************************************	¥83	95
12	24	36	48	60	72	S 84	96

### timesrb

1	9 9	25	37		61	$\int_{1}^{73}$	85
2		26	$\mathbb{E}^{\frac{38}{38}}$	50	62	74	**************************************
3 	15 •	27 • •	F 39		63	75	87
4	16	28 <b>9</b>	40	52	64	76	***************************************
5	17	29	11	53	65	1	89
6	18	30	42	54	8	<sup>78</sup>	90
		31	43 <b>Q</b>	55	67	79	91
8	20	32	44	56	68	80	§ 92
9	4	33	45	57	9	P 81	93
) 10	22	34	146	58	70	82 <b>Q</b>	94
* **	23		47	59	<b>1</b> 71	83	95
12	24	36	48	60	F 72	S 84	96

### timesib

1	9 <b>9</b>	25	37	49	61	h 73	85
2		9	<b>E</b> 38	50	62	74	**************************************
//	15 •	27 <b>9</b>	F 39	51	63	75	**************************************
4	16	28 <b>9</b>	40	52	64	76	88
5	17	29	41	53	65	<b>I</b> 77	89
6	18	30	42	54	66	78 M	90
	19	31	9	55	67	79	91
/ 8	20	32	44	56	68	80	§ 92
9	4	33	45	57		20	93
	5	A 34	111	58	70	82	94
* 11	<b>6</b> 23	35	47	59	71	83	95
12	24	<b>1</b> 36	48	60	72	84	96

# timesg

1	<sup>13</sup>	25	37	49	61	73	7
2		26	38	50	62	T4	<b>V</b>
, , ,	15 ❖	27	<b>1</b> 39	51	63	75	* 87 *
4	16	28	40	52	64	K 76	w ss
5	17	29	41	53	65	77	89
	18	30	42	54	66	<i>f</i> <sup>18</sup>	¥ 90
	$\sum_{i=1}^{19}$	31	43	55	B	$\mathcal{V}^{^{79}}$	91
8	3	32	44	56	68	80	§ 92
е е	21	33	45	57    	<b>S</b> 69	71	93
10	5	34	146	58	£ 70	V 82	94
*	23		47	59	<del>7</del> 1	P 83	95
12	24	36	48	60	72	84	96

# cyrillic

1	9	25	37	49	61	73	85 T
2		0	38	50	62	74	FO 86
3 	15	27 •	39	51	63	75	B 87
4	16	28 • •	40	52	64	K 76	**************************************
	17	29	\$\frac{41}{\chi}	53	65	J	89
6	18	30	42	54	3	78	90
БІ	2	31	43	55	67	79	3
8	3	• 32	144		68	80	92
9	4	33	J 45	57	69	81	93
10	5	34	146	58	70 II	82	94
*	23	35	47	59	71	83	95
12	24	36	48	60	72	84	96

# gothiceng

1	13	25	37	49	61	73	85
2 **		26	38	50	62	74	\$6
3	15	27 ••	39	51 <b>R</b>	63	75 <b>\$</b>	87
4	16	28 • •	40	52	64	76	SS SS
5	17	29	41	53	65	77	89
6	18	30	42	<b>1</b> 54	66	78	90
7	19	31	43	55	67	79 <b>11</b>	91 Z
<b>p</b> 8	20	32	<b>I</b>	56	68	80	§ 92
9	21	33	45	57	69	81	93
) 10	22	34	46	58	70	82	94
**	23	35	47	59	71	83	95
12	24	36	48	60	72	84	96

# gothicger

1	13 <b>9</b>	25	37	49	61	<b>5</b> 73	85
2 ***		26	38	50	62	74 •	<b>11</b>
3	15	27 ❖	39	51	63	* *	87
4	16	28 • •	40	52	64	76	88 <b>D</b>
	17	29	41	<b>3</b> 53	65	77	89
6	18	30		54	G 66	78	90
7	19	31	**************************************	<b>I</b>	<b>b</b> 67	79	3
8 <b>p</b>	20	32	44	<b>205</b>	68	80	§ 92
9	21	33	£ 45	<b>2</b> 57	69	81	93
) 10	22	<b>2</b>	<b>1</b> 46	<b>9</b>	70	82	94
**	23	35	<b>1</b> 7	59	71	83 <b>(</b> **)	95
12	24	<b>6</b> 36	48	60	<sup>72</sup>	84	96

# gothicita

1	13 <b>9</b>	25	37	19	61	73	85
2 *		26	38	50	62	74 <b>♦</b>	86
3 	15	27 <b>♦</b>	<b>1</b> 39	51	63	75 <b>§</b>	87
4	16	28 • •	40	52	64	76	88
5	17	29	41	53	65	<b>1</b> 77	89
6	18	30	42	54	66	78	90
7	19	31	43	55	67	79	91
8	20	<b>?</b> 32 <b>♦</b>	44	56	68	80	92
6	21	33	45	57	69	81	93
) 10	22	34	46	58	70	82	94
* 11	23	35	47	59	71	83 <b>3</b> °	95
12	24	36	48	60	72	84 <b>S</b>	96

#### rowmans

1	<sup>13</sup>	25	37	49	61	73	85
•		26	38	50	62	74 •	86
3	•	27 •	39	51	63	, 75	87
4	16	28 • 9	40	52	64	76	88
5	17	29	41	53	65	77	89
6	18	30	42	54	66	78	90
	2 19	31	43	55	67	79	<u>91</u>
) 8	3	32	44	56	68	80	§ 92
9	21	33	45	57	69	81	93
) 10	5	34	46	58	70	82	94
*	23	35	47		<del>7</del> 1	83	95
12	7 24	36	48	60	72	S 84	96

### rowmand

1	9 9	8	37	49	61	73	85
2	14	9	38	50	62	74 •	86
3	15 •	27 •	39	51	63	75 •	87
4	16	28 <b>9</b>	G 40	52	64	76	88
5	17	29	41	53	65	77	89
	18	30	42	54	66	78	90
<b>&amp;</b> 7	2	31	43	55	67	79	91 Z
9 9	3	32	44	56	68	80	§ 92
9	21	33	45	57	69	81	93
10	5	34	46	58	70	82	94
*	6	35	47	59	71	83	95
12	7	36	48	60	72	S 84	O 96

### rowmant

1	9 9	25	37		61	$\int_{1}^{73}$	85
2	14	26	$\mathbb{E}^{\frac{38}{38}}$	50	62	74	**************************************
3 	15 •	27 • •	F 39		63	75	87
4	16	28 <b>9</b>	40	52	64	76	88
	17	29	11	53	65 <b>6</b>	77	89
0	18	30	42	54	66	<sup>78</sup>	90
		31	43 <b>Q</b>	55	67	79	91
8 <b>9</b>	20	32	44	56	68	80	§ 92
0 0	4	33	45	57	69	181 10	93
) 10	22	34	146	58	70	82	94
*	23	$\mathbb{B}^{\frac{35}{1}}$	47	59	f 71	83	95
12	24	36	48	60	F 72	S 84	O 96

### futural

1	<sup>13</sup>	25	37	49	61	73	85
•		26	38	50	62	74 •	86
3	15 ❖	27 •	39	51	63	, 75 •	87
4	16	28	40	52	64	76	88
5	17	29	41	53	65 <b>6</b>	77	89
0	18	30	42	54	66	78	90
	2 19	31	43	55	67	79	<u>91</u>
) 8	Z 20	32	44	56	68	80	§ 92
9	21	33	45	57	69	81	93
) 10	5	34	46	58	70	82	94
**	23	35	47	59	<del></del>	83	95
12	24	36	48	60	72	S 84	96

### futuram

1	9 9	8	37	49	61	73	85
2		9	38	50	62	74 •	86
3 <b>P P</b>	15 <b>⊚</b>	27 <b>⊚</b>	39	51	63	75 <b>⊛</b>	87
4	16	28 <b>9</b>	40	S 52	64	76	88
\$ 5	17	29	41	53	65	77	89
6	18	30	42	54	66	78	90
& <sup>7</sup>	2	31	43	55	67	79	91 Z
8	3	? •	44	56	68	80	92
9	21	33	45	57	69	81	93
	5	34	46	58	70	82	94
* 11	6	8	47	59	71	83	95
12	24	36	48	60	72	S 84	96

# greeks

1	9	25	37	49	61	73	85
•		O 26	38	50	62		86
3	•	27 •	39	51	63	K **	87
4	16	28 • 9	40	52	64	76	88
5	17	29	<u>-</u>	53	65 (	JU ***	89
6	18	30	42	54	66	V 78	90
<u></u>	2 19	31	43	55	67	5	91
) 8	3	• 32	44	56	68	80	§ 92
9	21	33	45	57	69	7\\	93
) 10	5	34	46	58	F 70	82	94
*	23	35	47 	59	71	83	95
12	7	36	48	60	72	84	96

# greekc

1	)	25	37	49	61	<b>V</b> 73	<b>V</b>
2 •		26	38	50	62	T4	P 86
° °	15	27 •	39	51	63	K 75	87
4	16	28 • 9	40	52		76	***************************************
5	17	29	41	53	65	JU 777	es
0	18	30	42	54	66	$\mathcal{U}^{^{78}}$	90
& <sup>7</sup>	$\sum_{i=1}^{19}$	31	43	55	8	\$ 79	91
) 8	$\bigcirc^{20}$	32	44	56	68	80	92
9	21	33	45	57	\$ 69	71	93
	5	34	16	58	£ 70	P 82	94
*	23		₩ 47 ₩ ₩	59	<b>5</b> 71	83	95
12	24	36	48	60	72	7	96

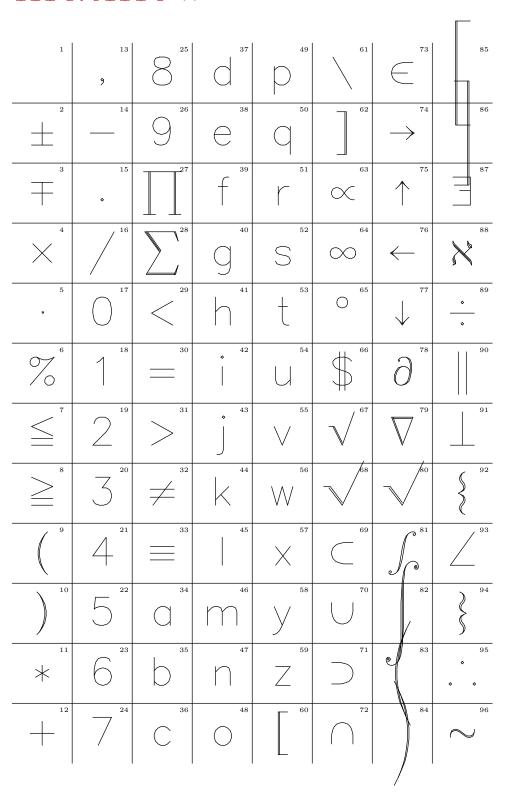
scripts

1	9	25	37	49	61	h 73	£ 85
•		9	38	50	62	č	86 W
//	15	27 •	39	51	63	, 75 }	V 87
4	16	28 • ?	10	52	64	R 76	88 W
5	17	29	H	53	65 <b>(</b>	l TT	2C
6	18	30	42	54	GC 66	78 M	90 Y
	2 19	31	43	55	l 67	79 N	91
9	3	, 32 •	X 44	56	68	80	§ 92
9	4	33	£ 45	<b>X</b> 57	69	P 81	93
	5	34	W 46	58	70 C	82	94
*	6	B 35	47	59	F 71	**************************************	95
12	24	36	48	60	72	\$4 \$	96

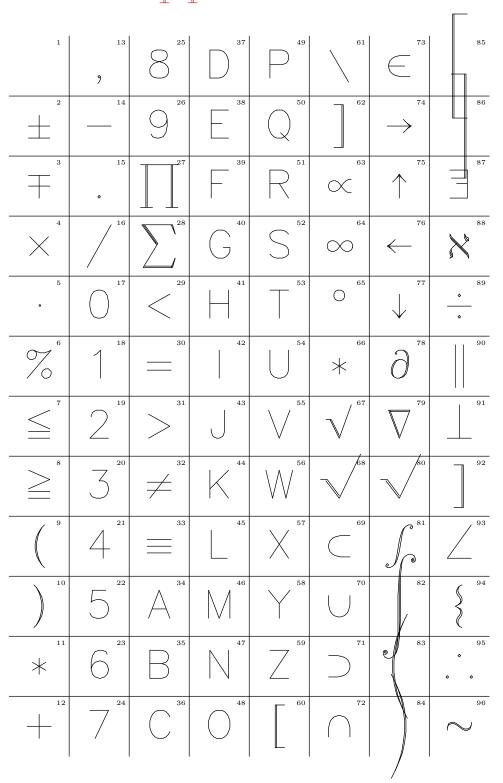
scriptc

1	9	25	J 37	P 49	61	$h^{73}$	85 #
•		9	6	2 50	62	U	86 UV
//	15 •	27 •	J 39	<b>1</b> 51	63	* *	E 87
4	16	28 • ?	\$ 40	$\int_{0}^{1}$	64	$k^{76}$	88 W
5	17	29	$\mathcal{H}^{41}$	$\mathcal{J}^{^{53}}$	65 <b>(</b>	1	2C
6	18	30	J 42	W 54	CV 66	778 M	90
	2	31	J 43	2) 55	67	79 N	91
9	3	? •	K 44	W 56	68	80	§ 92
9	4	33	£ 45	X 57	69	h 81	93
) 10	5	34	M 46	<i>y</i> 58	<sup>70</sup>	82 F	94
*	6	<b>B</b> 35	47	J 59	f 71	n 83	95
12	24	6	48	60	72 J	\$4 \$\sum_{\text{\text{5}}}	96

#### mathlow



### mathupp



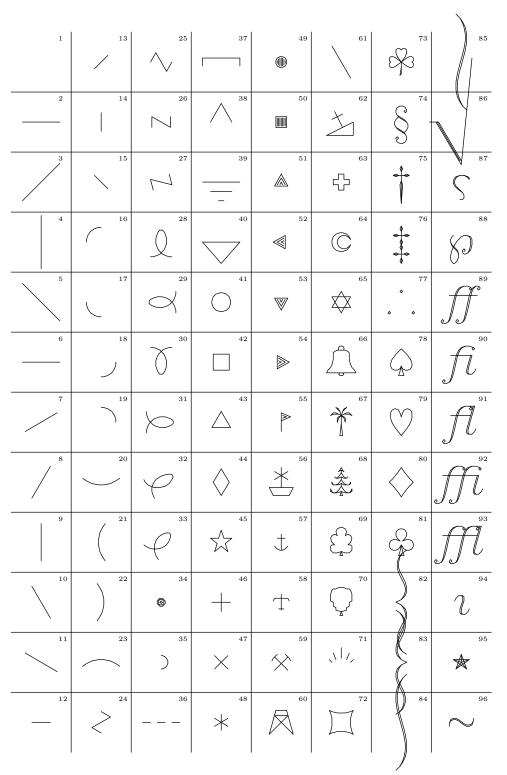
# astrology

1	9 9	25	37	19	61	h	85
	14	26	E 38	50	62	74	**************************************
) P	15 <b>⋄</b>		$\mathbb{F}^{^{39}}$	$\mathbb{R}^{\frac{51}{1}}$	63	75	**************************************
4	16	28	40	52	64	76	**************************************
5	17	29	41	53	65	<b>I</b> 77	89
6	18	**	42	54	66 OL	78 <b>M</b>	90
7		31	43	55	67	79	<sup>91</sup>
8		32	144	56	68	80	92
9	<u></u>	333	45	57	69	20	93
) 10	5	34	146	58	70 P	82	94
24	23	$\mathbb{B}^{\frac{35}{1}}$	47	59	71	83	95
h 12	24	36	48	60	72	84	96

# meteorology

1	<sup>13</sup>	25	37	49	61	73	85
<sup>2</sup>		26	38	50	62	74 •	86
3 <b>©</b>	•	27 •	39	51	5	, 75 ,	87
→ ————————————————————————————————————	16	28	40	52	64	76	88
5	17	29	41	53	65	77	89
6	18	)	42	54	66	78	90
7	2 19	31	43	55	67	79	91
8	3	32	44	56	68	80	§ 92
9	21	33	45	57	69	81	93
10	5	34	46	58	70	82	94
*	23	35	47	59	f 71	83	95
12	7 24	36	48	60	72	S 84	96

### symbolic



### markers

1	13	25	37	49	61	73	85
			<u> </u>				
2	14	26	38	50	62	74 *	86
3	15	27	39	51	63	75	87
4	16	28	40	52	64	76	88
5	17	29	¥11	53	65	77	89
6	18	30	*	54	66	78	90
7	19	31	43	55	67	79	91
8	20	32	44	56	68	80	92
9	21	33	45 <u>Å</u>	57	69	81	93
10	22	34	46	58	70	82	94
11	23	35	47 <b>W</b>	59	71	83	95
12	24	36	48	60	72	84	96

### music

1	13	25			61	h	85
•	14	26	38	50	62	<b>?</b>	W 86
3	15	•	39	F 51	63	ĵ. 75	V 87
	16	28	40	$\sum_{i=1}^{52}$		K 76	**************************************
	17	29	41	53	65	$\mathcal{L}^{^{77}}$	X 89
	18	30	<u> </u>	54	<b>O</b> L 66	778 M	y 90
7	2	31	43	55	67	79	Z 91
8	3	32	44	56	68	80	§ 92
9	21	33	45	57	$\mathcal{A}^{^{69}}$	20	93
	5	34	146	58	e 70	<u>82</u>	94
11	23	$\mathbb{D}^{\frac{35}{1}}$	47	59	J 71	× 83	95
12	24	36	48	60	72 9	S 84	96