

PRACTICAL 6
SUPPLEMENTARY MATERIALS

Table A-0. Colours and wavelengths of the continuous spectrum in the visible range

#	Colour	range, nm	λ_{mid} , nm	#	Colour	range, nm	λ_{mid} , nm
1	Red	760 – 620	695	4	Green	560 - 500	530
2	Orange	620 – 590	605	5	Light blue	500 – 480	490
3	Yellow	590 – 560	575	6	Blue	480 – 450	465
				7	Violet	450 - 380	415

Table A-1. Spectral lines of mercury

#	Colour	λ , nm	Brightness, a.u.	#	Colour	λ , nm	Brightness, a.u.
1	Red	709.2	20	18	Green	529.1	2
2		708.2	25	19		521.9	2
3		690.7	25	20		513.8	2
4		671.6	16	21		512.1	4
5	Orange	623.4	3	22		510.3	2
6		612.3	2	23		502.6	4
7		607.3	2	24		499.2	3
8	Yellow	587.2	2	25		491.6	10
9		585.9	6	26	Blue-green	489.0	3
10		580.4	14	27		482.7	3
11		579.0	100	28	Blue	435.8	400
12		577.0	24	29		434.7	40
13	567.6	16	30	434.4		4	
14	Green	555.0	3	31	433.9	30	
15		546.1	320	32	Violet	410.8	4
16		538.5	3	33		407.8	12
17		535.4	6	34		404.7	180

Table A-2. Spectral lines of krypton

#	Colour	λ , nm	Brightness, a.u.	#	Colour	λ , nm	Brightness, a.u.
1	Red	690.0	100	11	Blue	445.4	600
2		645.6	200	12		442.5	100
3		642.1	100	13		440.0	200
4	Yellow	587.0	3000	14		437.6	800
5		583.3	100	15	Violet	436.3	500
6	Green	564.9	100	16		435.1	100
7		557.0	2000	17		432.0	1000
8		556.2	500	18		432.0	1400
9	Blue	450.2	600	19		428.3	100
10		446.4	800	20		427.4	1000

Table A-3. Spectral lines of helium

#	Colour	λ , nm	Brightness, a.u.	#	Colour	λ , nm	Brightness, a.u.
1	Red	728.1	100	7	Light blue	501.6	100
2		706.6	60	8		492.2	20
3		706.5	500	9		471.3	30
4		667.8	200	10		447.2	25
5	Yellow	587.6	200	11		447.1	200
6		587.5	1500	12	Violet	402.6	50
				13			388.9

Table A-4. Spectral lines of neon

#	Colour	λ , nm	Brightness, a.u.	#	Colour	λ , nm	Brightness, a.u.
1	Red	724.5	10	26	Yellow	580.4	5
2		717.4	10	27		576.4	7
3		703.2	10	28	Green	574.8	5
4		702.4	5	29		571.9	5
5		693.0	10	30		565.7	5
6		667.8	5	31		556.3	5
7		659.9	10	32		540.1	20
8		650.7	10	33		534.3	6
9		640.22	20	34		534.1	10
10		638.3	10	35		533.1	6
11		633.4	10	36		514.5	10
12		626.6	10	37		503.8	5
13		621.7	10	38		503.1	3
14		616.4	10	39		Light blue	500.5
15	Reddish-orange	614.3	10	40	495.7		10
16		609.6	5	41	489.2		5
17		607.4	10	42	488.5		10
18		603.0	10	43	483.7		5
19	Orange	597.6	6	44	482.7		10
20		597.5	5	45	475.3		10
21		596.5	5	46	471.5		15
22		594.5	5	47	471.2		10
23	Yellow	588.2	10	48	471.0		10
24		585.2	20	49	470.9		12
25		582.0	5	50	470.4	15	
				51		453.8	10