GEN 2.6 换算表 CONVERSION TABLES

NM to KM 1 NM = 1.852 KM 1NM=1.1508 Statute Miles		KM to NM 1 KM = 0.54 NM 1KM=0.6214 Statute Miles		Feet to Meters 1 Foot = 0.3048 Meters		Meters to Feet 1 Meter = 3.281 Feet	
NM	km	km	NM	ft	m	m	ft
0.1	0.185	0.1	0.05	1	0.305	1	3.28
0.2	0.370	0.2	0.11	2	0.610	2	6.56
0.3	0.556	0.3	0.16	3	0.914	3	9.84
0.4	0.741	0.4	0.22	4	1.219	4	13.12
0.5	0.926	0.5	0.27	5	1.524	5	16.40
0.6	1.111	0.6	0.32	6	1.829	6	19.69
0.7	1.296	0.7	0.38	7	2.134	7	22.97
0.8	1.482	0.8	0.43	8	2.438	8	26.25
0.9	1.667	0.9	0.49	9	2.743	9	29.53
1	1.852	1	0.54	10	3.048	10	32.81
2	3.704	2	1.08	20	6.096	20	65.62
3	5.556	3	1.62	30	9.144	30	98.43
4	7.408	4	2.16	40	12.192	40	131.23
5	9.260	5	2.70	50	15.240	50	164.04
6	11.112	6	3.24	60	18.288	60	196.85
7	12.964	7	3.78	70	21.336	70	229.66
8	14.816	8	4.32	80	24.384	80	262.47
9	16.668	9	4.86	90	27.432	90	295.28
10	18.520	10	5.40	100	30.480	100	328.08
20	37.040	20	10.80	200	60.960	200	656.17
30	55.560	30	16.20	300	91.440	300	984.25
40	74.080	40	21.60	400	121.920	400	1312.34
50	92.600	50	27.00	500	152.400	500	1640.42
60	111.120	60	32.40	600	182.880	600	1968.50
70	129.640	70	37.80	700	213.360	700	2296.59
80	148.160	80	43.20	800	243.840	800	2624.67
90	166.680	90	48.60	900	274.320	900	2952.76
100	185.200	100	54.00	1000	304.800	1000	3280.84
200	370.400	200	107.99	2000	609.600	2000	6561.68
300	555.600	300	161.99	3000	914.400	3000	9842.52
400	740.800	400	215.98	4000	1219.200	4000	13123.36
500	926.000	500	269.98	5000	1524.000	5000	16404.20
600	1111.20	600	323.97	6000	1828.800	6000	19685.04
700	1296.40	700	377.96	7000	2133.600	7000	22965.88
800	1481.60	800	431.97	8000	2438.400	8000	26246.72
900	1666.80	900	485.96	9000	2743.200	9000	29527.56
1000	1852.00	1000	539.96	10000	3048.000	10000	32808.40

From decimal minutes of an arc to seconds of an arc

min	sec	min	sec	min	sec	min	sec
0.01	0.6	0.26	15.6	0.51	30.6	0.76	45.6
0.02	1.2	0.27	16.2	0.52	31.2	0.77	46.2
0.03	1.8	0.28	16.8	0.53	31.8	0.78	46.8
0.04	2.4	0.29	17.4	0.54	32.4	0.79	47.4
0.05	3.0	0.30	18.0	0.55	33.0	0.80	48.0
0.06	3.6	0.31	18.6	0.56	33.6	0.81	48.6
0.07	4.2	0.32	19.2	0.57	34.2	0.82	49.2
0.08	4.8	0.33	19.8	0.58	34.8	0.83	49.8
0.09	5.4	0.34	20.4	0.59	35.4	0.84	50.4
0.10	6.0	0.35	21.0	0.60	36.0	0.85	51.0
0.11	6.6	0.36	21.6	0.61	36.6	0.86	51.6
0.12	7.2	0.37	22.2	0.62	37.2	0.87	52.2
0.13	7.8	0.38	22.8	0.63	37.8	0.88	52.8
0.14	8.4	0.39	23.4	0.64	38.4	0.89	53.4
0.15	9.0	0.40	24.0	0.65	39.0	0.90	54.0
0.16	9.6	0.41	24.6	0.66	39.6	0.91	54.6
0.17	10.2	0.42	25.2	0.67	40.2	0.92	55.2
0.18	10.8	0.43	25.8	0.68	40.8	0.93	55.8
0.19	11.4	0.44	26.4	0.69	41.4	0.94	56.4
0.20	12.0	0.45	27.0	0.70	42.0	0.95	57.0
0.21	12.6	0.46	27.6	0.71	42.6	0.96	57.6
0.22	13.2	0.47	28.2	0.72	43.2	0.97	58.2
0.23	13.8	0.48	28.8	0.73	43.8	0.98	58.8
0.24	14.4	0.49	29.4	0.74	44.4	0.99	59.4
0.25	15.0	0.50	30.0	0.75	45.0		

From seconds of an arc to decimal minutes of an arc

sec	min	sec	min	sec	min	sec	min
1	0.02	16	0.27	31	0.52	46	0.77
2	0.03	17	0.28	32	0.53	47	0.78
3	0.05	18	0.30	33	0.55	48	0.80
4	0.07	19	0.32	34	0.57	49	0.82
5	0.08	20	0.33	35	0.58	50	0.83
6	0.10	21	0.35	36	0.60	51	0.85
7	0.12	22	0.37	37	0.62	52	0.87
8	0.13	23	0.38	38	0.63	53	0.88
9	0.15	24	0.40	39	0.65	54	0.90
10	0.17	25	0.42	40	0.67	55	0.92
11	0.18	26	0.43	41	0.68	56	0.93
12	0.20	27	0.45	42	0.70	57	0.95
13	0.22	28	0.47	43	0.72	58	0.97
14	0.23	29	0.48	44	0.73	59	0.98
15	0.25	30	0.50	45	0.75		

KG to LBS 1KG=2.2046 LBS		LBS to KG 1LB=0.4536 KG	
1	2.205	1	0.454
2	4.409	2	0.907
3	6.614	3	1.361
4	8.818	4	1.814
5	11.023	5	2.268
6	13.228	6	2.722
7	15.432	7	3.175
8	17.637	8	3.629
9	19.842	9	4.082
10	22.046	10	4.536
20	44.092	20	9.072
30	66.139	30	13.608
40	88.185	40	18.144
50	110.231	50	22.680
60	132.277	60	27.216
70	154.324	70	31.751
80	176.370	80	36.287
90	198.416	90	40.823
100	220.462	100	45.359
1000 kgs=1 metric tonne		1 metric tonne=1000 kgs	

Climb Gradient Table

In order to assure obstacle clearance, controlled airspace containment or safe integration of procedures, some Standard Instrument Departure Procedures contained in China AIP require Climb Gradients in excess of 3.3% to be achieved. Procedure design Gradients are annotated as percentage climb gradients where necessary. The Tables below provides a conversion to rates of climb for various speeds.

Ground speed (km/h) / Climb gradient % (m/km)		100	150	200	250	300	350
		rate of climb (m/s)					
3.4%	34 m/km	0.9	1.4	1.9	2.4	2.8	3.3
3.5%	35 m/km	1.0	1.5	1.9	2.4	2.9	3.4
3.6%	36 m/km	1.0	1.5	2.0	2.5	3.0	3.5
3.7%	37 m/km	1.0	1.5	2.1	2.6	3.1	3.6
3.8%	38 m/km	1.1	1.6	2.1	2.6	3.2	3.7
3.9%	39 m/km	1.1	1.6	2.2	2.7	3.3	3.8
4.0%	40 m/km	1.1	1.7	2.2	2.8	3.3	3.9
4.1%	41 m/km	1.1	1.7	2.3	2.8	3.4	4.0
4.2%	42 m/km	1.2	1.8	2.3	2.9	3.5	4.1
4.3%	43 m/km	1.2	1.8	2.4	3.0	3.6	4.2
4.4%	44 m/km	1.2	1.8	2.4	3.1	3.7	4.3
4.5%	45 m/km	1.3	1.9	2.5	3.1	3.8	4.4
4.6%	46 m/km	1.3	1.9	2.6	3.2	3.8	4.5
4.7%	47 m/km	1.3	2.0	2.6	3.3	3.9	4.6
4.8%	48 m/km	1.3	2.0	2.7	3.3	4.0	4.7
4.9%	49 m/km	1.4	2.0	2.7	3.4	4.1	4.8
5.0%	50 m/km	1.4	2.1	2.8	3.5	4.2	4.9
5.1%	51 m/km	1.4	2.1	2.8	3.5	4.3	5.0
5.2%	52 m/km	1.4	2.2	2.9	3.6	4.3	5.1
5.3%	53 m/km	1.5	2.2	2.9	3.7	4.4	5.2
5.4%	54 m/km	1.5	2.3	3.0	3.8	4.5	5.3
5.5%	55 m/km	1.5	2.3	3.1	3.8	4.6	5.3
5.6%	56 m/km	1.6	2.3	3.1	3.9	4.7	5.4
5.7%	57 m/km	1.6	2.4	3.2	4.0	4.8	5.5
5.8%	58 m/km	1.6	2.4	3.2	4.0	4.8	5.6
5.9%	59 m/km	1.6	2.5	3.3	4.1	4.9	5.7
6.0%	60 m/km	1.7	2.5	3.3	4.2	5.0	5.8
6.1%	61 m/km	1.7	2.5	3.4	4.2	5.1	5.9
6.2%	62 m/km	1.7	2.6	3.4	4.3	5.2	6.0
6.3%	63 m/km	1.8	2.6	3.5	4.4	5.3	6.1
6.4%	64 m/km	1.8	2.7	3.6	4.4	5.3	6.2
6.5%	65 m/km	1.8	2.7	3.6	4.5	5.4	6.3
6.6%	66 m/km	1.8	2.8	3.7	4.6	5.5	6.4
6.7%	67 m/km	1.9	2.8	3.7	4.7	5.6	6.5
6.8%	68 m/km	1.9	2.8	3.8	4.7	5.7	6.6
6.9%	69 m/km	1.9	2.9	3.8	4.8	5.8	6.7
7.0%	70 m/km	1.9	2.9	3.9	4.9	5.8	6.8