

Exercícios de Altimetria

(Tabelas e Soluções Alteradas em 2014-02)

Prof. Daniel Caetano

Exercício 1

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	34,1	1,498	1,879				452,381	0	452,381
E1	34,5	1,774	2,159						
E1	29,7	1,739	2,142						
E2	35,4	1,524	1,932						
E2	32,7	1,730	2,110						
E3	33,1	1,842	2,229						
E3	34,0	1,380	1,764						
E4	28,8	1,389	1,783						
E5	29,4	1,590	1,973						
E5	33,9	1,813	2,194						
E6	32,3	1,397	1,796						
E7	32,8	1,429	1,812						
E7	31,0	1,549	1,947						
RN	31,2	1,544	1,944						

Exercício 2

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	30,0	1,779	2,182				558,532	0	558,532
E1	31,3	1,726	2,141						
E1	28,7	1,403	1,792						
E2	29,7	1,636	2,018						
E2	35,7	1,313	1,698						
E3	28,4	1,784	2,176						
E3	32,2	1,761	2,159						
E4	30,5	1,551	1,964						
E5	31,0	1,411	1,791						
E5	35,2	1,605	2,024						
E6	30,2	1,430	1,833						
E6	35,3	1,752	2,167						
E7	35,4	1,341	1,745						
RN	28,6	1,649	2,049						

Exercício 3

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	34,4	1,552	1,956				479,215	0	479,215
E1	30,6	1,372	1,784						
E2	28,1	1,853	2,256						
E2	30,9	1,826	2,227						
E3	33,9	1,522	1,907						
E3	34,6	1,625	2,043						
E4	33,8	1,360	1,766						
E4	30,9	1,655	2,062						
E5	31,3	1,603	2,000						
E5	28,8	1,427	1,837						
E6	34,7	1,527	1,935						
E6	34,7	1,300	1,709						
E7	33,7	1,437	1,856						
RN	35,2	1,546	1,946						

Exercício 4

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	36,0	1,597	1,985				733,549	0	733,549
E1	33,6	1,675	2,082						
E1	30,7	1,765	2,182						
E2	30,0	1,521	1,918						
E2	29,1	1,512	1,931						
E3	30,8	1,657	2,065						
E3	33,7	1,429	1,835						
E4	32,4	1,796	2,184						
E4	31,0	1,525	1,940						
E5	33,7	1,838	2,254						
E5	31,8	1,312	1,730						
E6	35,7	1,346	1,754						
E6	29,0	1,732	2,141						
RN	28,3	1,069	1,469						

Exercício 5

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	28,2	1,691	2,092				724,967	0	724,967
E1	34,5	1,660	2,064						
E1	34,2	1,565	1,982						
E2	31,3	1,513	1,930						
E3	30,7	1,375	1,762						
E3	29,4	1,849	2,243						
E4	30,6	1,628	2,047						
E4	35,8	1,730	2,128						
E5	29,1	1,485	1,892						
E5	32,6	1,496	1,915						
E6	31,0	1,795	2,179						
E6	33,8	1,517	1,909						
E7	30,1	1,665	2,076						
RN	28,1	1,915	2,315						

Exercício 6

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	31,6	1,315	1,722				522,184	0	522,184
E1	30,7	1,794	2,174						
E1	31,3	1,621	2,035						
E2	29,1	1,461	1,847						
E2	28,2	1,819	2,238						
E3	31,8	1,393	1,779						
E3	33,6	1,506	1,908						
E4	28,6	1,554	1,941						
E5	32,7	1,624	2,027						
E5	30,3	1,602	1,998						
E6	31,5	1,696	2,113						
E6	32,5	1,844	2,260						
E7	28,5	1,687	2,080						
RN	30,8	1,782	2,182						

Exercício 7

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	30,3	1,384	1,765				487,839	0	487,839
E1	35,2	1,428	1,827						
E2	34,3	1,509	1,918						
E2	35,2	1,401	1,806						
E3	28,4	1,358	1,767						
E3	30,2	1,423	1,806						
E4	35,5	1,321	1,738						
E4	30,7	1,782	2,197						
E5	32,5	1,512	1,928						
E6	31,9	1,774	2,177						
E6	28,2	1,473	1,855						
E7	32,0	1,768	2,173						
E7	29,2	1,489	1,870						
RN	32,5	1,181	1,581						

Exercício 8

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	32,5	1,837	2,223				125,988	0	125,988
E1	29,0	1,515	1,925						
E2	28,1	1,297	1,710						
E2	34,6	1,724	2,142						
E3	35,3	1,357	1,774						
E3	30,1	1,345	1,757						
E4	33,7	1,712	2,121						
E4	31,1	1,323	1,725						
E5	31,6	1,336	1,744						
E5	35,8	1,395	1,790						
E6	33,6	1,558	1,958						
E7	35,6	1,624	2,018						
E7	31,1	1,376	1,782						
RN	33,8	1,665	2,065						

Exercício 9

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	35,5	1,604	1,997				743,321	0	743,321
E1	28,2	1,417	1,816						
E1	33,7	1,339	1,738						
E2	30,4	1,411	1,808						
E2	29,5	1,480	1,898						
E3	35,4	1,643	2,055						
E3	32,3	1,455	1,858						
E4	29,2	1,714	2,107						
E4	34,4	1,413	1,832						
E5	31,9	1,580	1,962						
E6	35,7	1,491	1,904						
E6	33,2	1,328	1,733						
E7	35,8	1,833	2,242						
RN	29,2	0,959	1,359						

Exercício 10

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	30,6	1,382	1,765				452,381	0	452,381
E1	33,4	1,774	2,174						
E2	29,7	1,385	1,767						
E2	35,8	1,644	2,030						
E3	35,7	1,589	2,005						
E4	31,5	1,747	2,154						
E4	29,8	1,484	1,872						
E5	29,3	1,574	1,972						
E5	34,3	1,543	1,948						
E6	32,3	1,690	2,091						
E6	34,3	1,742	2,128						
E7	34,7	1,639	2,027						
E7	31,2	1,545	1,955						
RN	35,1	1,300	1,700						

Exercícios de Altimetria - Solução

Prof. Daniel Caetano

Exercício 1

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	34,1	1,498	1,879	1,689			452,381	0	452,381
E1	34,5	1,774	2,159		1,967		452,103	0	452,103
E1	29,7	1,739	2,142	1,940					
E2	35,4	1,524	1,932		1,728		452,315	1	452,316
E2	32,7	1,730	2,110	1,920					
E3	33,1	1,842	2,229		2,035		452,200	1	452,201
E3	34,0	1,380	1,764	1,572					
E4	28,8	1,389	1,783			1,586	452,186	2	452,188
E5	29,4	1,590	1,973		1,781		451,991	2	451,993
E5	33,9	1,813	2,194	2,004					
E6	32,3	1,397	1,796			1,597	452,398	2	452,400
E7	32,8	1,429	1,812		1,620		452,375	2	452,377
E7	31,0	1,549	1,947	1,748					
RN	31,2	1,544	1,944		1,744		452,378	3	452,381

Exercício 2

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	30,0	1,779	2,182	1,980			558,532	0	558,532
E1	31,3	1,726	2,141		1,933		558,579	1	558,580
E1	28,7	1,403	1,792	1,597					
E2	29,7	1,636	2,018		1,827		558,349	2	558,351
E2	35,7	1,313	1,698	1,505					
E3	28,4	1,784	2,176		1,980		557,874	3	557,877
E3	32,2	1,761	2,159	1,960					
E4	30,5	1,551	1,964			1,758	558,076	4	558,080
E5	31,0	1,411	1,791		1,601		558,233	4	558,237
E5	35,2	1,605	2,024	1,814					
E6	30,2	1,430	1,833		1,632		558,415	5	558,420
E6	35,3	1,752	2,167	1,960					
E7	35,4	1,341	1,745			1,543	558,832	6	558,838
RN	28,6	1,649	2,049		1,849		558,526	6	558,532

Exercício 3

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	34,4	1,552	1,956	1,754			479,215	0	479,215
E1	30,6	1,372	1,784			1,578	479,391	0	479,391
E2	28,1	1,853	2,256		2,054		478,915	0	478,915
E2	30,9	1,826	2,227	2,026					
E3	33,9	1,522	1,907		1,714		479,227	0	479,227
E3	34,6	1,625	2,043	1,834					
E4	33,8	1,360	1,766		1,563		479,498	0	479,498
E4	30,9	1,655	2,062	1,859					
E5	31,3	1,603	2,000		1,802		479,555	1	479,556
E5	28,8	1,427	1,837	1,632					
E6	34,7	1,527	1,935		1,731		479,456	1	479,457
E6	34,7	1,300	1,709	1,504					
E7	33,7	1,437	1,856			1,646	479,314	1	479,315
RN	35,2	1,546	1,946		1,746		479,214	1	479,215

Exercício 4

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	36,0	1,597	1,985	1,791			733,549	0	733,549
E1	33,6	1,675	2,082		1,879		733,461	1	733,462
E1	30,7	1,765	2,182	1,973					
E2	30,0	1,521	1,918		1,719		733,715	2	733,717
E2	29,1	1,512	1,931	1,721					
E3	30,8	1,657	2,065		1,861		733,575	3	733,578
E3	33,7	1,429	1,835	1,632					
E4	32,4	1,796	2,184		1,990		733,217	4	733,221
E4	31,0	1,525	1,940	1,733					
E5	33,7	1,838	2,254		2,046		732,904	5	732,909
E5	31,8	1,312	1,730	1,521					
E6	35,7	1,346	1,754		1,550		732,875	6	732,881
E6	29,0	1,732	2,141	1,937					
RN	28,3	1,069	1,469		1,269		733,542	7	733,549

Exercício 5

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	28,2	1,691	2,092	1,891			724,967	0	724,967
E1	34,5	1,660	2,064		1,862		724,996	0	724,996
E1	34,2	1,565	1,982	1,773					
E2	31,3	1,513	1,930			1,722	725,047	0	725,047
E3	30,7	1,375	1,762		1,569		725,200	0	725,200
E3	29,4	1,849	2,243	2,046					
E4	30,6	1,628	2,047		1,837		725,409	0	725,409
E4	35,8	1,730	2,128	1,929					
E5	29,1	1,485	1,892		1,689		725,649	1	725,650
E5	32,6	1,496	1,915	1,706					
E6	31,0	1,795	2,179		1,987		725,368	1	725,369
E6	33,8	1,517	1,909	1,713					
E7	30,1	1,665	2,076			1,871	725,210	1	725,211
RN	28,1	1,915	2,315		2,115		724,966	1	724,967

Exercício 6

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	31,6	1,315	1,722	1,519			522,184	0	522,184
E1	30,7	1,794	2,174		1,984		521,719	0	521,719
E1	31,3	1,621	2,035	1,828					
E2	29,1	1,461	1,847		1,654		521,893	1	521,894
E2	28,2	1,819	2,238	2,029					
E3	31,8	1,393	1,779		1,586		522,336	1	522,337
E3	33,6	1,506	1,908	1,707					
E4	28,6	1,554	1,941			1,748	522,295	1	522,296
E5	32,7	1,624	2,027		1,825		522,218	1	522,219
E5	30,3	1,602	1,998	1,800					
E6	31,5	1,696	2,113		1,905		522,113	2	522,115
E6	32,5	1,844	2,260	2,052					
E7	28,5	1,687	2,080			1,884	522,281	2	522,283
RN	30,8	1,782	2,182		1,982		522,182	2	522,184

Exercício 7

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	30,3	1,384	1,765	1,574			487,839	0	487,839
E1	35,2	1,428	1,827			1,627	487,786	1	487,787
E2	34,3	1,509	1,918		1,713		487,700	1	487,701
E2	35,2	1,401	1,806	1,603					
E3	28,4	1,358	1,767		1,563		487,740	2	487,742
E3	30,2	1,423	1,806	1,615					
E4	35,5	1,321	1,738		1,529		487,826	3	487,829
E4	30,7	1,782	2,197	1,989					
E5	32,5	1,512	1,928			1,720	488,095	4	488,099
E6	31,9	1,774	2,177		1,975		487,840	4	487,844
E6	28,2	1,473	1,855	1,664					
E7	32,0	1,768	2,173		1,970		487,534	5	487,539
E7	29,2	1,489	1,870	1,680					
RN	32,5	1,181	1,581		1,381		487,833	6	487,839

Exercício 8

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	32,5	1,837	2,223	2,030			125,988	0	125,988
E1	29,0	1,515	1,925			1,720	126,298	0	126,298
E2	28,1	1,297	1,710		1,503		126,515	0	126,515
E2	34,6	1,724	2,142	1,933					
E3	35,3	1,357	1,774		1,565		126,883	0	126,883
E3	30,1	1,345	1,757	1,551					
E4	33,7	1,712	2,121		1,916		126,518	0	126,518
E4	31,1	1,323	1,725	1,524					
E5	31,6	1,336	1,744		1,540		126,502	0	126,502
E5	35,8	1,395	1,790	1,592					
E6	33,6	1,558	1,958			1,758	126,336	1	126,337
E7	35,6	1,624	2,018		1,821		126,273	1	126,274
E7	31,1	1,376	1,782	1,579					
RN	33,8	1,665	2,065		1,865		125,987	1	125,988

Exercício 9

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	35,5	1,604	1,997	1,801			743,321	0	743,321
E1	28,2	1,417	1,816		1,617		743,505	1	743,506
E1	33,7	1,339	1,738	1,539					
E2	30,4	1,411	1,808		1,610		743,434	2	743,436
E2	29,5	1,480	1,898	1,689					
E3	35,4	1,643	2,055		1,849		743,274	3	743,277
E3	32,3	1,455	1,858	1,656					
E4	29,2	1,714	2,107		1,911		743,019	4	743,023
E4	34,4	1,413	1,832	1,622					
E5	31,9	1,580	1,962			1,771	742,870	5	742,875
E6	35,7	1,491	1,904		1,697		742,944	5	742,949
E6	33,2	1,328	1,733	1,530					
E7	35,8	1,833	2,242			2,038	742,436	6	742,442
RN	29,2	0,959	1,359		1,159		743,316	6	743,322

Exercício 10

Ponto Visado	Distância	Estadia A	Estadia B	Mira Ré	Mira Vante	Mira Detalhe	Cota Prov.	Ajuste	Altitude
RN	30,6	1,382	1,765	1,573			452,381	0	452,381
E1	33,4	1,774	2,174			1,974	451,980	0	451,980
E2	29,7	1,385	1,767		1,576		452,378	0	452,378
E2	35,8	1,644	2,030	1,837					
E3	35,7	1,589	2,005			1,797	452,418	1	452,419
E4	31,5	1,747	2,154		1,950		452,265	1	452,266
E4	29,8	1,484	1,872	1,678					
E5	29,3	1,574	1,972		1,773		452,170	1	452,171
E5	34,3	1,543	1,948	1,746					
E6	32,3	1,690	2,091		1,890		452,026	2	452,028
E6	34,3	1,742	2,128	1,935					
E7	34,7	1,639	2,027		1,833		452,128	2	452,130
E7	31,2	1,545	1,955	1,750					
RN	35,1	1,300	1,700		1,500		452,378	3	452,381