CURSOS PIPING LTDA.
TREINAMENTO CONSULTORIA TÉCNICA LTDA.
AV. INDUSTRIAL, 281 - PABX 444-1988
SANTO ANDRÉ - S. PAULO - CEP 09080-510

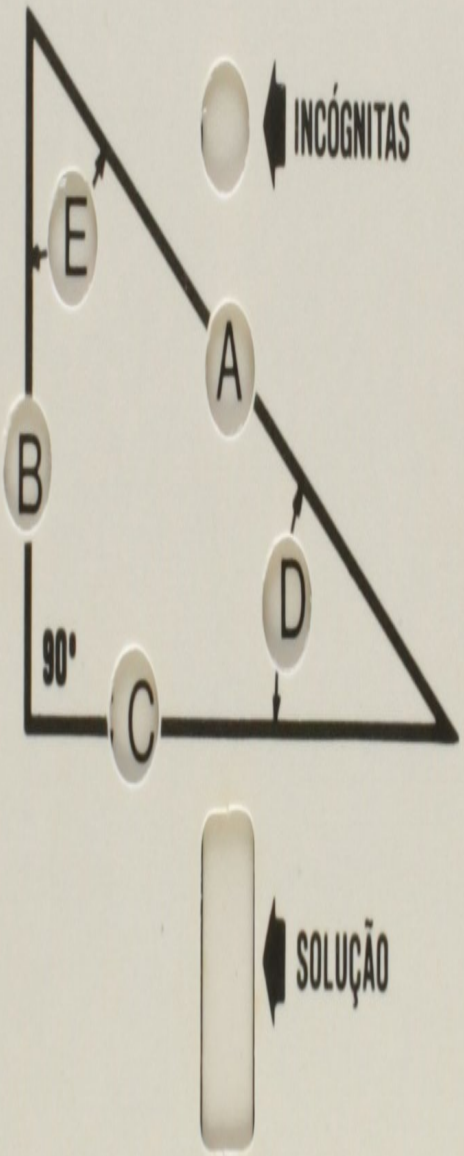
• C L P - Controlador Lógico Programável • Desenho e Projeto de Tubulação Industrial • Encanador Industrial Isométrico • Traçados de Caldeiraria e Funilaria Industrial • Instrumentação Elétrica / Pneumática • Hidráulica e Pneumática • Leitura e Interpretação de Desenho Mecânico • Matemática Industrial (1º Grau) e Trigonometria • Desenho e Projeto de Estrutura Metálica • Refrigeração e Ar Condicionado • Eletrônica Industrial • Recepcionista / Telefonista • C N C - Comando Numérico Computadorizado • C E P - Controle Estatístico do Processo • Carburador, Ponto, Ignição e Valvulas • Mecânico Motor Diesel / Bomba Injetora • Manutenção de Máquina de Lavar • Injeção Eletrônica

TANGENTE

Min. Graus	0'	10'	20'	30'	40'	50'	60'	Min. Graus
0	0,00000	0,00291	0,00582	0,00873	0,01164	0,01455	0,01746	89
1	0,01746	0,02036	0,02326	0,02619	0,02910	0,03201	0,03492	88
2	0,03492	0,03783	0,04075	0,04366	0,04658	0,04949	0,05241	87
3	0,05241	0,05533	0,05824	0,06116	0,06408	0,06700	0,06993	86
4	0,06993	0,07285	0,07578	0,07870	0,08163	0,08456	0,08749	85
5	0,08749	0,09042	0,09335	0,09629	0,09923	0,10216	0,10510	84
6	0,10510	0,10805	0,11099	0,11394	0,11688	0,11983	0,12278	83
5	0,12278	0,12574	0,12870	0,13165	0,13461	0,13758	0,14054	82
8	0,14054	0,14351	0,14648	0,14945	0,15243	0,15540	0,15838	81
9	0,15838	0,16137	0,16435	0,16734	0,17033	0,17333	0,17633	80
10	0,17633	0,17933	0,18233	0,18534	0,18835	0,19136	0,19438	79
11	0,19438	0,19740	0,20042	0,20345	0,20648	0,20952	0,21256	78
12	0,21256	0,21560	0,21864	0,22169	0,22475	0,22781	0,23087	77
13	0,23087	0,23393	0,23700	0,24008	0,24316	0,24624	0,24933	76
14	0,24933	0,25242	0,25552	0,25862	0,26172	0,26483	0,26795	75
15	0,26795	0,27107	0,27419	0,27732	0,28046	0,28360	0,28675	74
16	0,28675	0,28990	0,29305	0,29621	0,29938	0,30255	0,30573	73
17	0,30573	0,30891	0,31210	0,31530	0,31850	0,32171	0,32492	72
18	0,32492	0,32814	0,33136	0,33460	0,33783	0,34108	0,34433	71
19	0,34433	0,34758	0,35085	0,35412	0,35740	0,36068	0,36397	70
20	0,36397	0,36727	0,37057	0,37388	0,37720	0,38053	0,38386	69
21	0,38386	0,38721	0,39055	0,39391	0,39727	0,40065	0,40403	68
22	0,40403	0,40741	0,41081	0,41421	0,41763	0,42105	0,42447	67
23	0,42447	0,42791	0,43136	0,43481	0,43828	0,44175	0,44523	66
24	0,44523	0,44872	0,45222	0,45573	0,45924	0,46272	0,46631	65
25	0,46631	0,46985	0,47341	0,47698	0,48055	0,48414	0,48773	64
26	0,48773	0,49134	0,49495	0,49858	0,50222	0,50587	0,50953	63
27	0,50953	0,51319	0,51688	0,52057	0,52427	0,52798	0,53171	62
28	0,53171	0,53545	0,53920	0,54296	0,54673	0,55051	0,55431	61
29	0,55431	0,55812	0,56194	0,56577	0,56962	0,57348	0,57735	60
30	0,57735	0,58124	0,58513	0,58905	0,59297	0,59691	0,60086	59
31	0,60086	0,60438	0,60881	0,61280	0,61681	0,62083	0,62487	58
32	0,62487	0,62892	0,63299	0,63707	0,64117	0,64528	0,64941	57
33	0,64941	0,65355	0,65771	0,66189	0,66608	0,67028	0,67451	56
34	0,67451	0,67875	0,68301	0,68728	0,69157	0,69588	0,70021	55
35	0,70021	0,70455	0,70891	0,71329	0,71769	0,72211	0,72654	54
36	0,72654	0,73100	0,73547	0,73996	0,74447	0,74900	0,75355	53
37	0,75355	0,75812	0,76272	0,76733	0,77196	0,77661	0,78129	52
38	0,78129	0,78598	0,79070	0,79544	0,80020	0,80498	0,80978	51
39	0,80978	0,81461	0,81946	0,82434	0,82923	0,82415	0,83910	50
40	0,83910	0,84407	0,84906	0,85408	0,85912	0,86419	0,86929	49
41	0,86929	0,87441	0,87955	0,88473	0,88992	0,89515	0,90040	48
42	0,90040	0,90569	0,91099	0,91633	0,92170	0,92709	0,93252	47
43	0,93252	0,93797	0,94345	0,94896	0,95451	0,96008	0,96569	46
44	0,96569	0,97133	0,97700	0,98270	0,98843	0,99420	1,00000	45
Graus Min.	60'	50'	40'	30'	20'	10'	0'	Graus Min.

COTANGENTE

RESOLUÇÃO DOS TRIÂNGULOS RETÂNGULOS



COTANGENTE

Min. Graus	0'	10'	20'	30'	40'	50'	60'	Min. Graus
0		343,77371	171,88540	114,58865	85,93979	68,75009	57,28996	89
1	57,28996	49,10388	42,96408	38,18846	34,36777	31,24158	28,63625	88
2	28,63625	26,43160	24,54176	22,90377	21,47040	20,20555	19,08114	87
3	19,08114	18,07498	17,16934	16,34986	15,60478	14,92442	14,30067	86
4	14,30067	13,72674	13,19688	12,70621	12,25051	11,82617	11,43005	85
5	11,43005	11,05943	10,71191	10,38540	10,07803	9,78817	9,51436	84
6	9,51436	9,25530	9,00983	8,77689	8,55555	8,34496	8,14435	83
7	8,14435	7,95302	7,77035	7,59575	7,42871	7,26873	7,11537	82
8	7,11537	6,96823	6,82694	6,69116	6,56055	6,43484	6,31375	81
9	6,31375	6,19703	6,08444	5,97576	5,87080	5,76937	5,67128	80
10	5,67128	5,57638	5,48451	5,39552	5,30928	5,22566	5,14455	79
11	5,14455	5,06584	4,98940	4,91516	4,84300	4,77286	4,70463	78
12	4,70463	4,63825	4,57363	4,51071	4,44942	4,38969	4,33148	77
13	4,33148	4,27471	4,21933	4,16530	4,11256	4,06107	4,01078	76
14	4,01078	3,96165	3,91364	3,86671	3,82082	3,77595	3,73205	75
15	3,73205	3,68909	3,64705	3,60588	3,56557	3,52609	3,48741	74
16	3,48741	3,44951	3,41236	3,37594	3,34023	3,30521	3,27085	73
17	3,27085	3,23714	3,20406	3,17159	3,13972	3,10842	3,07768	72
18	3,07768	3,04749	3,01783	2,98869	2,96004	2,93189	2,90421	71
19	2,90421	2,87700	2,85023	2,82391	2,79802	2,77254	2,74748	70
20	2,74748	2,72281	2,69853	2,67462	2,65109	2,62791	2,60509	69
21	2,60509	2,58261	2,56046	2,53865	2,51715	2,49597	2,47509	68
22	2,47509	2,45451	2,43422	2,41421	2,39449	2,37504	2,35585	67
23	2,35585	2,33691	2,31826	2,29984	2,29167	2,26274	2,24604	66
24	2,24604	2,22857	2,21132	2,19430	2,17749	2,16090	2,14451	65
25	2,14451	2,12832	2,11233	2,09655	2,08094	2,06553	2,05030	64
26	2,05030	2,03526	2,02039	2,00569	1,99116	1,97680	1,96261	63
27	1,96261	1,94858	1,93470	1,92098	1,90741	1,89400	1,88073	62
28	1,88073	1,86760	1,85462	1,84177	1,82906	1,81649	1,80405	61
29	1,80405	1,79174	1,77955	1,76749	1,75556	1,74375	1,73205	60
30	1,73205	1,72047	1,70901	1,69766	1,68643	1,67530	1,66428	59
31	1,66428	1,65337	1,64256	1,63185	1,62125	1,61074	1,60033	58
32	1,60033	1,59002	1,57981	1,56969	1,55966	1,54972	1,53987	57
33	1,53987	1,53010	1,52043	1,51084	1,50133	1,49190	1,48256	56
34	1,48256	1,47330	1,46411	1,45501	1,44598	1,43703	1,42815	55
35	1,42815	1,41934	1,41061	1,40195	1,39336	1,38484	1,37638	54
36	1,37638	1,36800	1,35968	1,35142	1,34323	1,33511	1,32704	53
37	1,32704	1,31904	1,31110	1,30323	1,29541	1,28764	1,27994	52
38	1,27994	1,27230	1,26471	1,25717	1,24969	1,24227	1,23490	51
39	1,23490	1,22758	1,22031	1,21310	1,20593	1,19882	1,19175	50
40	1,19175	1,18474	1,17777	1,17085	1,16398	1,15715	1,15037	49
41	1,15037	1,14363	1,13694	1,13029	1,12369	1,11713	1,11061	48
42	1,11061	1,10414	1,09770	1,09131	1,08496	1,07864	1,07237	47
43	1,07237	1,06613	1,05994	1,05378	1,04766	1,04158	1,03553	46
44	1,03553	1,02952	1,02355	1,01761	1,01170	1,00583	1,00000	45
Graus Min.	60'	50'	40'	30'	20'	10'	0'	Graus Min.

TANGENTE

IBRASA
INSTITUIÇÃO BRASILEIRA DE DIFUSÃO CULTURAL LTDA.
RUA 21 DE ABRIL, 97 - TELEFONE: 92-9639
CEP 03047 - SÃO PAULO - S.P.

IL INDICALIVROS

Resumo de Formulas De Triangulos E Tabelas Trigonometricas

Acesse aqui a versão completa deste livro