

Temp Profile		Rod Description	
T1 (R)	2059.67	Length, L (ft)	3
T2 (R)	559.67	Diameter, D (ft)	0.010417
Tair (R)	539.67	Temp Position, x (ft)	1
Convection Coefficient Air, h	0.9	Area, A (ft^2)	0.008181
		Perimeter, P (ft)	0.032725

K	0.810882
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Conduction Coefficient, K	Theta/Theta b	m	L-x	Right Side Eq.	Left Side Eq.	Percent Difference
0.1	0.013157895	6	1	-0.701328407	0.013157895	5430%
0.25	0.013157895	3.794733192	1	1.350306402	0.013157895	-10162%
0.5	0.013157895	2.683281573	1	-0.896157524	0.013157895	6911%
0.75	0.013157895	2.19089023	1	-0.129738781	0.013157895	1086%
0.8	0.013157895	2.121320344	1	-0.01760892	0.013157895	234%
0.85	0.013157895	2.057983022	1	0.158681702	0.013157895	-1106%
0.81	0.013157895	2.108185107	1	0.010543133	0.013157895	20%
0.819	0.013157895	2.096569673	1	0.038315872	0.013157895	-191%
0.818	0.013157895	2.097850804	1	0.035102643	0.013157895	-167%
0.815	0.013157895	2.101708332	1	0.025660056	0.013157895	-95%
0.811	0.013157895	2.106884962	1	0.013507145	0.013157895	-3%
0.81105	0.013157895	2.106820018	1	0.013656106	0.013157895	-4%
0.81104	0.013157895	2.106833006	1	0.013626308	0.013157895	-4%
0.81103	0.013157895	2.106845994	1	0.013596513	0.013157895	-3%
0.811039	0.013157895	2.106834305	1	0.013623328	0.013157895	-4%
0.811038	0.013157895	2.106835604	1	0.013620348	0.013157895	-4%
0.811037	0.013157895	2.106836902	1	0.013617369	0.013157895	-3%
0.811036	0.013157895	2.106838201	1	0.013614389	0.013157895	-3%
0.811035	0.013157895	2.1068395	1	0.01361141	0.013157895	-3%
0.811034	0.013157895	2.106840799	1	0.01360843	0.013157895	-3%
0.811033	0.013157895	2.106842098	1	0.013605451	0.013157895	-3%
0.811032	0.013157895	2.106843397	1	0.013602471	0.013157895	-3%
0.811031	0.013157895	2.106844696	1	0.013599492	0.013157895	-3%
0.81103	0.013157895	2.106845994	1	0.013596513	0.013157895	-3%
0.811029	0.013157895	2.106847293	1	0.013593533	0.013157895	-3%
0.811028	0.013157895	2.106848592	1	0.013590554	0.013157895	-3%

0.811027	0.013157895	2.106849891	1	0.013587575	0.013157895	-3%
0.811026	0.013157895	2.10685119	1	0.013584595	0.013157895	-3%
0.811025	0.013157895	2.106852489	1	0.013581616	0.013157895	-3%
0.811024	0.013157895	2.106853788	1	0.013578637	0.013157895	-3%
0.811023	0.013157895	2.106855087	1	0.013575658	0.013157895	-3%
0.811022	0.013157895	2.106856386	1	0.013572679	0.013157895	-3%
0.811021	0.013157895	2.106857684	1	0.0135697	0.013157895	-3%
0.81102	0.013157895	2.106858983	1	0.01356672	0.013157895	-3%
0.811019	0.013157895	2.106860282	1	0.013563741	0.013157895	-3%
0.811018	0.013157895	2.106861581	1	0.013560762	0.013157895	-3%
0.811017	0.013157895	2.10686288	1	0.013557783	0.013157895	-3%
0.811016	0.013157895	2.106864179	1	0.013554804	0.013157895	-3%
0.811015	0.013157895	2.106865478	1	0.013551825	0.013157895	-3%
0.811014	0.013157895	2.106866777	1	0.013548847	0.013157895	-3%
0.811013	0.013157895	2.106868076	1	0.013545868	0.013157895	-3%
0.811012	0.013157895	2.106869375	1	0.013542889	0.013157895	-3%
0.811011	0.013157895	2.106870673	1	0.01353991	0.013157895	-3%
0.81101	0.013157895	2.106871972	1	0.013536931	0.013157895	-3%
0.811009	0.013157895	2.106873271	1	0.013533952	0.013157895	-3%
0.811008	0.013157895	2.10687457	1	0.013530974	0.013157895	-3%
0.811007	0.013157895	2.106875869	1	0.013527995	0.013157895	-3%
0.811006	0.013157895	2.106877168	1	0.013525016	0.013157895	-3%
0.811005	0.013157895	2.106878467	1	0.013522038	0.013157895	-3%
0.811004	0.013157895	2.106879766	1	0.013519059	0.013157895	-3%
0.811003	0.013157895	2.106881065	1	0.013516081	0.013157895	-3%
0.811002	0.013157895	2.106882364	1	0.013513102	0.013157895	-3%
0.811001	0.013157895	2.106883663	1	0.013510123	0.013157895	-3%
0.811	0.013157895	2.106884962	1	0.013507145	0.013157895	-3%
0.810999	0.013157895	2.106886261	1	0.013504166	0.013157895	-3%
0.810998	0.013157895	2.10688756	1	0.013501188	0.013157895	-3%
0.810997	0.013157895	2.106888859	1	0.01349821	0.013157895	-3%
0.810996	0.013157895	2.106890157	1	0.013495231	0.013157895	-3%
0.810995	0.013157895	2.106891456	1	0.013492253	0.013157895	-3%
0.810994	0.013157895	2.106892755	1	0.013489275	0.013157895	-3%

0.810993	0.013157895	2.106894054	1	0.013486296	0.013157895	-2%
0.810992	0.013157895	2.106895353	1	0.013483318	0.013157895	-2%
0.810991	0.013157895	2.106896652	1	0.01348034	0.013157895	-2%
0.81099	0.013157895	2.106897951	1	0.013477362	0.013157895	-2%
0.810989	0.013157895	2.10689925	1	0.013474383	0.013157895	-2%
0.810988	0.013157895	2.106900549	1	0.013471405	0.013157895	-2%
0.810987	0.013157895	2.106901848	1	0.013468427	0.013157895	-2%
0.810986	0.013157895	2.106903147	1	0.013465449	0.013157895	-2%
0.810985	0.013157895	2.106904446	1	0.013462471	0.013157895	-2%
0.810984	0.013157895	2.106905745	1	0.013459493	0.013157895	-2%
0.810983	0.013157895	2.106907044	1	0.013456515	0.013157895	-2%
0.810982	0.013157895	2.106908343	1	0.013453537	0.013157895	-2%
0.810981	0.013157895	2.106909642	1	0.013450559	0.013157895	-2%
0.81098	0.013157895	2.106910941	1	0.013447581	0.013157895	-2%
0.810979	0.013157895	2.10691224	1	0.013444603	0.013157895	-2%
0.810978	0.013157895	2.106913539	1	0.013441625	0.013157895	-2%
0.810977	0.013157895	2.106914838	1	0.013438648	0.013157895	-2%
0.810976	0.013157895	2.106916137	1	0.01343567	0.013157895	-2%
0.810975	0.013157895	2.106917436	1	0.013432692	0.013157895	-2%
0.810974	0.013157895	2.106918735	1	0.013429714	0.013157895	-2%
0.810973	0.013157895	2.106920034	1	0.013426736	0.013157895	-2%
0.810972	0.013157895	2.106921333	1	0.013423759	0.013157895	-2%
0.810971	0.013157895	2.106922632	1	0.013420781	0.013157895	-2%
0.81097	0.013157895	2.106923931	1	0.013417804	0.013157895	-2%
0.810969	0.013157895	2.10692523	1	0.013414826	0.013157895	-2%
0.810968	0.013157895	2.106926529	1	0.013411848	0.013157895	-2%
0.810967	0.013157895	2.106927828	1	0.013408871	0.013157895	-2%
0.810966	0.013157895	2.106929127	1	0.013405893	0.013157895	-2%
0.810965	0.013157895	2.106930426	1	0.013402916	0.013157895	-2%
0.810964	0.013157895	2.106931725	1	0.013399938	0.013157895	-2%
0.810963	0.013157895	2.106933024	1	0.013396961	0.013157895	-2%
0.810962	0.013157895	2.106934323	1	0.013393984	0.013157895	-2%
0.810961	0.013157895	2.106935622	1	0.013391006	0.013157895	-2%
0.81096	0.013157895	2.106936921	1	0.013388029	0.013157895	-2%

0.810959	0.013157895	2.10693822	1	0.013385052	0.013157895	-2%
0.810958	0.013157895	2.106939519	1	0.013382074	0.013157895	-2%
0.810957	0.013157895	2.106940818	1	0.013379097	0.013157895	-2%
0.810956	0.013157895	2.106942117	1	0.01337612	0.013157895	-2%
0.810955	0.013157895	2.106943417	1	0.013373143	0.013157895	-2%
0.810954	0.013157895	2.106944716	1	0.013370165	0.013157895	-2%
0.810953	0.013157895	2.106946015	1	0.013367188	0.013157895	-2%
0.810952	0.013157895	2.106947314	1	0.013364211	0.013157895	-2%
0.810951	0.013157895	2.106948613	1	0.013361234	0.013157895	-2%
0.81095	0.013157895	2.106949912	1	0.013358257	0.013157895	-2%
0.810949	0.013157895	2.106951211	1	0.01335528	0.013157895	-2%
0.810948	0.013157895	2.10695251	1	0.013352303	0.013157895	-1%
0.810947	0.013157895	2.106953809	1	0.013349326	0.013157895	-1%
0.810946	0.013157895	2.106955108	1	0.013346349	0.013157895	-1%
0.810945	0.013157895	2.106956407	1	0.013343372	0.013157895	-1%
0.810944	0.013157895	2.106957706	1	0.013340395	0.013157895	-1%
0.810943	0.013157895	2.106959005	1	0.013337419	0.013157895	-1%
0.810942	0.013157895	2.106960304	1	0.013334442	0.013157895	-1%
0.810941	0.013157895	2.106961603	1	0.013331465	0.013157895	-1%
0.81094	0.013157895	2.106962903	1	0.013328488	0.013157895	-1%
0.810939	0.013157895	2.106964202	1	0.013325512	0.013157895	-1%
0.810938	0.013157895	2.106965501	1	0.013322535	0.013157895	-1%
0.810937	0.013157895	2.1069668	1	0.013319558	0.013157895	-1%
0.810936	0.013157895	2.106968099	1	0.013316582	0.013157895	-1%
0.810935	0.013157895	2.106969398	1	0.013313605	0.013157895	-1%
0.810934	0.013157895	2.106970697	1	0.013310628	0.013157895	-1%
0.810933	0.013157895	2.106971996	1	0.013307652	0.013157895	-1%
0.810932	0.013157895	2.106973295	1	0.013304675	0.013157895	-1%
0.810931	0.013157895	2.106974594	1	0.013301699	0.013157895	-1%
0.81093	0.013157895	2.106975894	1	0.013298722	0.013157895	-1%
0.810929	0.013157895	2.106977193	1	0.013295746	0.013157895	-1%
0.810928	0.013157895	2.106978492	1	0.01329277	0.013157895	-1%
0.810927	0.013157895	2.106979791	1	0.013289793	0.013157895	-1%
0.810926	0.013157895	2.10698109	1	0.013286817	0.013157895	-1%

0.810925	0.013157895	2.106982389	1	0.013283841	0.013157895	-1%
0.810924	0.013157895	2.106983688	1	0.013280864	0.013157895	-1%
0.810923	0.013157895	2.106984987	1	0.013277888	0.013157895	-1%
0.810922	0.013157895	2.106986286	1	0.013274912	0.013157895	-1%
0.810921	0.013157895	2.106987586	1	0.013271936	0.013157895	-1%
0.81092	0.013157895	2.106988885	1	0.013268959	0.013157895	-1%
0.810919	0.013157895	2.106990184	1	0.013265983	0.013157895	-1%
0.810918	0.013157895	2.106991483	1	0.013263007	0.013157895	-1%
0.810917	0.013157895	2.106992782	1	0.013260031	0.013157895	-1%
0.810916	0.013157895	2.106994081	1	0.013257055	0.013157895	-1%
0.810915	0.013157895	2.10699538	1	0.013254079	0.013157895	-1%
0.810914	0.013157895	2.10699668	1	0.013251103	0.013157895	-1%
0.810913	0.013157895	2.106997979	1	0.013248127	0.013157895	-1%
0.810912	0.013157895	2.106999278	1	0.013245151	0.013157895	-1%
0.810911	0.013157895	2.107000577	1	0.013242175	0.013157895	-1%
0.81091	0.013157895	2.107001876	1	0.013239199	0.013157895	-1%
0.810909	0.013157895	2.107003175	1	0.013236223	0.013157895	-1%
0.810908	0.013157895	2.107004475	1	0.013233248	0.013157895	-1%
0.810907	0.013157895	2.107005774	1	0.013230272	0.013157895	-1%
0.810906	0.013157895	2.107007073	1	0.013227296	0.013157895	-1%
0.810905	0.013157895	2.107008372	1	0.01322432	0.013157895	-1%
0.810904	0.013157895	2.107009671	1	0.013221345	0.013157895	0%
0.810903	0.013157895	2.10701097	1	0.013218369	0.013157895	0%
0.810902	0.013157895	2.10701227	1	0.013215393	0.013157895	0%
0.810901	0.013157895	2.107013569	1	0.013212418	0.013157895	0%
0.8109	0.013157895	2.107014868	1	0.013209442	0.013157895	0%
0.810899	0.013157895	2.107016167	1	0.013206467	0.013157895	0%
0.810898	0.013157895	2.107017466	1	0.013203491	0.013157895	0%
0.810897	0.013157895	2.107018765	1	0.013200515	0.013157895	0%
0.810896	0.013157895	2.107020065	1	0.01319754	0.013157895	0%
0.810895	0.013157895	2.107021364	1	0.013194565	0.013157895	0%
0.810894	0.013157895	2.107022663	1	0.013191589	0.013157895	0%
0.810893	0.013157895	2.107023962	1	0.013188614	0.013157895	0%
0.810892	0.013157895	2.107025261	1	0.013185638	0.013157895	0%

0.810891	0.013157895	2.107026561	1	0.013182663	0.013157895	0%
0.81089	0.013157895	2.10702786	1	0.013179688	0.013157895	0%
0.810889	0.013157895	2.107029159	1	0.013176713	0.013157895	0%
0.810888	0.013157895	2.107030458	1	0.013173737	0.013157895	0%
0.810887	0.013157895	2.107031758	1	0.013170762	0.013157895	0%
0.810886	0.013157895	2.107033057	1	0.013167787	0.013157895	0%
0.810885	0.013157895	2.107034356	1	0.013164812	0.013157895	0%
0.810884	0.013157895	2.107035655	1	0.013161837	0.013157895	0%
0.810883	0.013157895	2.107036954	1	0.013158862	0.013157895	0%
0.810882	0.013157895	2.107038254	1	0.013155886	0.013157895	0%