

Critical Values of  $T_0$  in the Wilcoxon Paired Difference Signed Rank Test

One-Tailed	Two-Tailed	$n = 5$	$n = 6$	$n = 7$	$n = 8$	$n = 9$	$n = 10$
$\alpha = .05$	$\alpha = .10$	1	2	4	6	8	11
$\alpha = .025$	$\alpha = .05$		1	2	4	6	8
$\alpha = .01$	$\alpha = .02$			0	2	3	5
$\alpha = .005$	$\alpha = .01$				0	2	3
		<b><math>n = 11</math></b>	<b><math>n = 12</math></b>	<b><math>n = 13</math></b>	<b><math>n = 14</math></b>	<b><math>n = 15</math></b>	<b><math>n = 16</math></b>
$\alpha = .05$	$\alpha = .10$	14	17	21	26	30	36
$\alpha = .025$	$\alpha = .05$	11	14	17	21	25	30
$\alpha = .01$	$\alpha = .02$	7	10	13	16	20	24
$\alpha = .005$	$\alpha = .01$	5	7	10	13	16	19
		<b><math>n = 17</math></b>	<b><math>n = 18</math></b>	<b><math>n = 19</math></b>	<b><math>n = 20</math></b>	<b><math>n = 21</math></b>	<b><math>n = 22</math></b>
$\alpha = .05$	$\alpha = .10$	41	47	54	60	68	75
$\alpha = .025$	$\alpha = .05$	35	40	46	52	59	66
$\alpha = .01$	$\alpha = .02$	28	33	38	43	49	56
$\alpha = .005$	$\alpha = .01$	23	28	32	37	43	49
		<b><math>n = 23</math></b>	<b><math>n = 24</math></b>	<b><math>n = 25</math></b>	<b><math>n = 26</math></b>	<b><math>n = 27</math></b>	<b><math>n = 28</math></b>
$\alpha = .05$	$\alpha = .10$	83	92	101	110	120	130
$\alpha = .025$	$\alpha = .05$	73	81	90	98	107	117
$\alpha = .01$	$\alpha = .02$	62	69	77	85	93	102
$\alpha = .005$	$\alpha = .01$	55	61	68	76	84	92
		<b><math>n = 29</math></b>	<b><math>n = 30</math></b>	<b><math>n = 31</math></b>	<b><math>n = 32</math></b>	<b><math>n = 33</math></b>	<b><math>n = 34</math></b>
$\alpha = .05$	$\alpha = .10$	141	152	163	175	188	201
$\alpha = .025$	$\alpha = .05$	127	137	148	159	171	183
$\alpha = .01$	$\alpha = .02$	111	120	130	141	151	162
$\alpha = .005$	$\alpha = .01$	100	109	118	128	138	149
		<b><math>n = 35</math></b>	<b><math>n = 36</math></b>	<b><math>n = 37</math></b>	<b><math>n = 38</math></b>	<b><math>n = 39</math></b>	
$\alpha = .05$	$\alpha = .10$	214	228	242	256	271	
$\alpha = .025$	$\alpha = .05$	195	208	222	235	250	
$\alpha = .01$	$\alpha = .02$	174	186	198	211	224	
$\alpha = .005$	$\alpha = .01$	160	171	183	195	208	
		<b><math>n = 40</math></b>	<b><math>n = 41</math></b>	<b><math>n = 42</math></b>	<b><math>n = 43</math></b>	<b><math>n = 44</math></b>	<b><math>n = 45</math></b>
$\alpha = .05$	$\alpha = .10$	287	303	319	336	353	371
$\alpha = .025$	$\alpha = .05$	264	279	295	311	327	344
$\alpha = .01$	$\alpha = .02$	238	252	267	281	297	313
$\alpha = .005$	$\alpha = .01$	221	234	248	262	277	292
		<b><math>n = 46</math></b>	<b><math>n = 47</math></b>	<b><math>n = 48</math></b>	<b><math>n = 49</math></b>	<b><math>n = 50</math></b>	
$\alpha = .05$	$\alpha = .10$	389	408	427	446	466	
$\alpha = .025$	$\alpha = .05$	361	379	397	415	434	
$\alpha = .01$	$\alpha = .02$	329	345	362	380	398	
$\alpha = .005$	$\alpha = .01$	307	323	339	356	373	