

THE UNIVERSITY of LIVERPOOL

Area $\Phi(z)$ under the normal curve to the left of z

z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09	
.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359	
									.5714	.5753	
					•						•
	,				,						
-4		'obat	.0028	.000±	.0700	.01.50	.0112	.0000	*00.T.T.	.00,10	
.5	.6915 .	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224	
				.7357	.7389	.7422	7454	.7486	.7517	.7549	
							.7764	7794	.7823	.7852	
								and the second second		.8133	
. . .	·OTOB	.0100		٥٥٩٥٥		.0200					
1.0	.8413	.8438	.8461	.8485	.8508	8531	.8554	.8577	.8599	.8621	
	.8643	.8665	.8686	.8708	.8729	.8749	.8770				
	.8849		.8888	.8907	.8925	.8944	.8962	.8980			٠.
			.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177	
1.4	.9192	.9207		.9236	.9251	.9265	.9279	9292	.9306	.9319	
:	. 0000	. 00 45	0957	0970 -	0289.	0204	0406	0418	9429	9441	
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1.9	.9713	.9719		.9732	.9738	.9744	.9750	.9750	.9701	.9707	:
2.0	9772	9778		.9788	.9793	.9798	.9803	.9808	.9812	.9817	
	1										
											_
2.4	.9918	.9920	.9944 .	.9920	.8841	.5525,	10001	.0002		*5000	
2.5	- 9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952	
		and the second second		.9957	.9959	.9960	.9961	.9962	.9963	.9964	
							.9971	.9972	.9973	.9974	
									.9980	.9981	•
	.9981	.9982	.9982	.9983	9984	.9984	.9985	.9985	.9986	.9986	•
	_			0000	10000	0000	0000	0000	. 0000	0000	
0.8	1										
3.1	.9990	.9991								,	•
	.9993	.9993	.9994	.9994							•
3.3	.9995	.9995	.9995	.9996	.9996	.9996					
	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998	
	.0 .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9 2.9	.0 .5000 .1 .5398 .2 .5793 .3 .6179 .4 .6554 .5 .6915 .6 .7257 .7 .7580 .8 .7881 .9 .8159 .1.0 .8413 1.1 .8643 1.2 .8849 1.3 .9032 1.4 .9192 .9452 1.5 .9332 1.4 .9192 .9452 1.7 .9554 1.8 .9452 1.7 .9554 1.9 .9713 .9713 .9713 .9713 .9861 .9918 .9918 .9918 .9918 .9918 .9918 .9918 .9953 .9953 .9974 .9991 .9990 3.2 .9993	.0 .5000 .5040 .1 .5398 .5438 .2 .5793 .5832 .3 .6179 .6217 .4 .6554 .6591 .5 .6915 .6950 .6 .7257 .7291 .7 .7580 .7611 .8 .7881 .7910 .9 .8159 .8186 1.0 .8413 .8438 1.1 .8643 .8665 1.2 .8849 .8869 1.3 .9032 .9049 1.4 .9192 .9207 1.5 .9332 .9345 1.6 .9452 .9463 1.7 .9554 .9564 1.8 .9641 .9649 1.9 .9713 .9719 2.0 .9772 .9778 2.1 .9861 .9864 2.3 .9893 .9896 2.4 .9918 .9920 2.5 .9938 .9940 2.6 .9953<	.0 .5000 .5040 .5080 .1 .5398 .5438 .5478 .2 .5793 .5832 .5871 .3 .6179 .6217 .6255 .4 .6554 .6591 .6628 .5 .6915 .6950 .6985 .6 .7257 .7291 .7324 .7 .7580 .7611 .7642 .8 .7881 .7910 .7939 .9 .8159 .8186 .8212 1.0 .8413 .8438 .8461 1.1 .8643 .8665 .8686 1.2 .8849 .8869 .8888 1.3 .9032 .9049 .9066 1.4 .9192 .9207 .9222 1.5 .9332 .9345 .9357 1.6 .9452 .9463 .9474 1.7 .9554 .9564 .9573 1.8 .9641 .9649 .9656 1.9 .9713 .9719 .9726 2.0 </td <td>.0 .5000 .5040 .5080 .5120 .1 .5398 .5438 .5478 .5517 .2 .5793 .5832 .5871 .5910 .3 .6179 .6217 .6255 .6293 .4 .6554 .6591 .6628 .6664 .5 .6915 .6950 .6985 .7019 .6 .7257 .7291 .7324 .7357 .7 .7580 .7611 .7642 .7673 .8 .7881 .7910 .7939 .7967 .9 .8159 .8186 .8212 .8238 1.0 .8413 .8438 .8461 .8485 1.1 .8643 .8665 .8686 .8708 1.2 .8849 .8869 .8888 .8907 1.3 .9032 .9049 .9066 .9082 1.4 .9192 .9207 .9222 .9236 1.5 .9332 .9345 .9357 .9370 1.6 .9452 .9463 .9474</td> <td>.0 .5000 .5040 .5080 .5120 .5160 .1 .5398 .5438 .5478 .5517 .5557 .2 .5793 .5832 .5871 .5910 .5948 .3 .6179 .6217 .6255 .6293 .6331 .4 .6554 .6591 .6628 .6664 .6700 .5 .6915 .6950 .6985 .7019 .7054 .6 .7257 .7291 .7324 .7357 .7389 .7 .7580 .7611 .7642 .7673 .7704 .8 .7881 .7910 .7939 .7967 .7995 .9 .8159 .8186 .8212 .8238 .8264 1.0 .8413 .8438 .8461 .8485 .8508 1.1 .8643 .8665 .8686 .8708 .8729 1.2 .8849 .8869 .8888 .8907 .8925 1.3 <</td> <td>.0 .5000 .5040 .5080 .5120 .5160 .5199 .1 .5398 .5438 .5478 .5517 .5557 .5596 .2 .5793 .5832 .5871 .5910 .5948 .5987 .3 .6179 .6217 .6255 .6293 .6331 .6368 .4 .6554 .6591 .6628 .6664 .6700 .6736 .5 .6915 .6950 .6985 .7019 .7054 .7088 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7 .7580 .7611 .7642 .7673 .7704 .7734 .8 .7881 .7910 .7939 .7967 .7995 .8023 .9 .8159 .8186 .8212 .8238 .8264 .8289 1.0 .8413 .8438 .8461 .8485 .8508 .8531 1.1 .8643 .8665 .8686<td>.0 .5000 .5040 .5080 .5120 .5160 .5199 .5239 .1 .5398 .5438 .5478 .5517 .5557 .5596 .5686 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7 .7580 .7611 .7642 .7673 .7704 .7734 .7764 .8 .7881 .7910 .7989 .7967 .7995 .8023 .8051 .9 .8159 .8186 .8212 .8238 .8264 .8289 .8315 1.0 .8</td><td>.0 .5000 .5040 .5080 .5120 .5160 .5199 .5239 .5279 .1 .5398 .5438 .5478 .5517 .5557 .5596 .5636 .5675 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .6064 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .6443 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .6808 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .7157 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7486 .7 .7580 .7611 .7642 .7673 .7704 .7734 .7764 .7794 .8815 .8051 .8051 .8051 .8071 .8282 .8315 .8340 .1 .8481 .8488</td><td>.0 5000 5040 5080 .5120 .5160 .5199 .5239 .5279 .5319 .1 .5398 .5438 .5478 .5517 .5567 .5596 .5686 .5675 .5714 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .6064 .6103 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .6443 .6480 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .6808 .6844 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .7157 .7190 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7446 .7517 .7 .7580 .7611 .7642 .7673 .7794 .7734 .7764 .7794 .7828 .8 .7881 .7910</td><td> </td></td>	.0 .5000 .5040 .5080 .5120 .1 .5398 .5438 .5478 .5517 .2 .5793 .5832 .5871 .5910 .3 .6179 .6217 .6255 .6293 .4 .6554 .6591 .6628 .6664 .5 .6915 .6950 .6985 .7019 .6 .7257 .7291 .7324 .7357 .7 .7580 .7611 .7642 .7673 .8 .7881 .7910 .7939 .7967 .9 .8159 .8186 .8212 .8238 1.0 .8413 .8438 .8461 .8485 1.1 .8643 .8665 .8686 .8708 1.2 .8849 .8869 .8888 .8907 1.3 .9032 .9049 .9066 .9082 1.4 .9192 .9207 .9222 .9236 1.5 .9332 .9345 .9357 .9370 1.6 .9452 .9463 .9474	.0 .5000 .5040 .5080 .5120 .5160 .1 .5398 .5438 .5478 .5517 .5557 .2 .5793 .5832 .5871 .5910 .5948 .3 .6179 .6217 .6255 .6293 .6331 .4 .6554 .6591 .6628 .6664 .6700 .5 .6915 .6950 .6985 .7019 .7054 .6 .7257 .7291 .7324 .7357 .7389 .7 .7580 .7611 .7642 .7673 .7704 .8 .7881 .7910 .7939 .7967 .7995 .9 .8159 .8186 .8212 .8238 .8264 1.0 .8413 .8438 .8461 .8485 .8508 1.1 .8643 .8665 .8686 .8708 .8729 1.2 .8849 .8869 .8888 .8907 .8925 1.3 <	.0 .5000 .5040 .5080 .5120 .5160 .5199 .1 .5398 .5438 .5478 .5517 .5557 .5596 .2 .5793 .5832 .5871 .5910 .5948 .5987 .3 .6179 .6217 .6255 .6293 .6331 .6368 .4 .6554 .6591 .6628 .6664 .6700 .6736 .5 .6915 .6950 .6985 .7019 .7054 .7088 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7 .7580 .7611 .7642 .7673 .7704 .7734 .8 .7881 .7910 .7939 .7967 .7995 .8023 .9 .8159 .8186 .8212 .8238 .8264 .8289 1.0 .8413 .8438 .8461 .8485 .8508 .8531 1.1 .8643 .8665 .8686 <td>.0 .5000 .5040 .5080 .5120 .5160 .5199 .5239 .1 .5398 .5438 .5478 .5517 .5557 .5596 .5686 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7 .7580 .7611 .7642 .7673 .7704 .7734 .7764 .8 .7881 .7910 .7989 .7967 .7995 .8023 .8051 .9 .8159 .8186 .8212 .8238 .8264 .8289 .8315 1.0 .8</td> <td>.0 .5000 .5040 .5080 .5120 .5160 .5199 .5239 .5279 .1 .5398 .5438 .5478 .5517 .5557 .5596 .5636 .5675 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .6064 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .6443 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .6808 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .7157 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7486 .7 .7580 .7611 .7642 .7673 .7704 .7734 .7764 .7794 .8815 .8051 .8051 .8051 .8071 .8282 .8315 .8340 .1 .8481 .8488</td> <td>.0 5000 5040 5080 .5120 .5160 .5199 .5239 .5279 .5319 .1 .5398 .5438 .5478 .5517 .5567 .5596 .5686 .5675 .5714 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .6064 .6103 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .6443 .6480 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .6808 .6844 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .7157 .7190 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7446 .7517 .7 .7580 .7611 .7642 .7673 .7794 .7734 .7764 .7794 .7828 .8 .7881 .7910</td> <td> </td>	.0 .5000 .5040 .5080 .5120 .5160 .5199 .5239 .1 .5398 .5438 .5478 .5517 .5557 .5596 .5686 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7 .7580 .7611 .7642 .7673 .7704 .7734 .7764 .8 .7881 .7910 .7989 .7967 .7995 .8023 .8051 .9 .8159 .8186 .8212 .8238 .8264 .8289 .8315 1.0 .8	.0 .5000 .5040 .5080 .5120 .5160 .5199 .5239 .5279 .1 .5398 .5438 .5478 .5517 .5557 .5596 .5636 .5675 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .6064 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .6443 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .6808 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .7157 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7486 .7 .7580 .7611 .7642 .7673 .7704 .7734 .7764 .7794 .8815 .8051 .8051 .8051 .8071 .8282 .8315 .8340 .1 .8481 .8488	.0 5000 5040 5080 .5120 .5160 .5199 .5239 .5279 .5319 .1 .5398 .5438 .5478 .5517 .5567 .5596 .5686 .5675 .5714 .2 .5793 .5832 .5871 .5910 .5948 .5987 .6026 .6064 .6103 .3 .6179 .6217 .6255 .6293 .6331 .6368 .6406 .6443 .6480 .4 .6554 .6591 .6628 .6664 .6700 .6736 .6772 .6808 .6844 .5 .6915 .6950 .6985 .7019 .7054 .7088 .7123 .7157 .7190 .6 .7257 .7291 .7324 .7357 .7389 .7422 .7454 .7446 .7517 .7 .7580 .7611 .7642 .7673 .7794 .7734 .7764 .7794 .7828 .8 .7881 .7910	

The entries from 3.49 to 3.61 all equal .9998. The entries from 3.62 to 3.89 all equal .9999. All entries from 3.90 and up equal 1.0000.