

Legendre n	x_i	w_i
1	0	2
2	$\pm 5.77350269189625764507\text{e-}01$	1
3	0 $\pm 7.74596669241483377010\text{e-}01$	8.888888888888888877e-01 5.555555555555555562e-01
4	$\pm 8.61136311594052575248\text{e-}01$ $\pm 3.39981043584856264792\text{e-}01$	3.47854845137453857383e-01 6.52145154862546142644e-01
8	$\pm 1.83434642495649804936\text{e-}01$ $\pm 5.25532409916328985830\text{e-}01$ $\pm 7.96666477413626739567\text{e-}01$ $\pm 9.60289856497536231661\text{e-}01$	3.62683783378361982976e-01 3.13706645877887287338e-01 2.22381034453374470546e-01 1.01228536290376259154e-01
16	$\pm 9.50125098376374401877\text{e-}02$ $\pm 2.81603550779258913231\text{e-}01$ $\pm 4.58016777657227386350\text{e-}01$ $\pm 6.17876244402643748452\text{e-}01$ $\pm 7.55404408355003033891\text{e-}01$ $\pm 8.65631202387831743866\text{e-}01$ $\pm 9.44575023073232576090\text{e-}01$ $\pm 9.89400934991649932601\text{e-}01$	1.89450610455068496287e-01 1.82603415044923588872e-01 1.69156519395002538183e-01 1.49595988816576732080e-01 1.24628971255533872056e-01 9.51585116824927848073e-02 6.22535239386478928628e-02 2.71524594117540948514e-02
48	$\pm 3.23801709628693620343\text{e-}02$ $\pm 9.70046992094626989322\text{e-}02$ $\pm 1.61222356068891718055\text{e-}01$ $\pm 2.24763790394689061224\text{e-}01$ $\pm 2.87362487355455576728\text{e-}01$ $\pm 3.48755886292160738148\text{e-}01$ $\pm 4.08686481990716729925\text{e-}01$ $\pm 4.66902904750958404535\text{e-}01$ $\pm 5.23160974722233033658\text{e-}01$ $\pm 5.77224726083972703838\text{e-}01$ $\pm 6.28867396776513624013\text{e-}01$ $\pm 6.77872379632663905208\text{e-}01$ $\pm 7.24034130923814654658\text{e-}01$ $\pm 7.67159032515740339276\text{e-}01$ $\pm 8.07066204029442627087\text{e-}01$ $\pm 8.43588261624393530704\text{e-}01$ $\pm 8.76572020274247885885\text{e-}01$ $\pm 9.05879136715569672805\text{e-}01$ $\pm 9.31386690706554333107\text{e-}01$ $\pm 9.52987703160430860724\text{e-}01$ $\pm 9.70591592546247250472\text{e-}01$ $\pm 9.84124583722826857765\text{e-}01$ $\pm 9.93530172266350757526\text{e-}01$ $\pm 9.98771007252426118580\text{e-}01$	6.47376968126839225006e-02 6.44661644359500822082e-02 6.39242385846481866207e-02 6.31141922862540256548e-02 6.20394231598926639029e-02 6.07044391658938800517e-02 5.91148396983956357477e-02 5.72772921004032157044e-02 5.51995036999841628676e-02 5.28901894851936670964e-02 5.03590355538544749590e-02 4.76166584924904748267e-02 4.46745608566942804201e-02 4.15450829434647492133e-02 3.82413510658307063158e-02 3.47772225647704388909e-02 3.11672278327980889025e-02 2.74265097083569482001e-02 2.35707608393243791410e-02 1.96161604573555278142e-02 1.55793157229438487279e-02 1.14772345792345394895e-02 7.32755390127626210220e-03 3.15334605230583863260e-03

Hermite n	x_i	w_i
2	$\pm 7.07106781186547524382\text{e-}01$	$8.86226925452758013655\text{e-}01$;
4	$\pm 5.24647623275290317900\text{e-}01$ $\pm 1.65068012388578455585\text{e+}00$	$8.04914090005512836482\text{e-}01$ $8.13128354472451771398\text{e-}02$
5	$0.000000000000000000\text{e+}00$, $\pm 9.58572464613818507097\text{e-}01$ $\pm 2.02018287045608563291\text{e+}00$	$9.45308720482941881207\text{e-}01$ $3.93619323152241159825\text{e-}01$ $1.99532420590459132082\text{e-}02$
8	$\pm 3.81186990207322116844\text{e-}01$ $\pm 1.15719371244678019474\text{e+}00$ $\pm 1.98165675669584292584\text{e+}00$ $\pm 2.93063742025724401920\text{e+}00$	$6.61147012558241291042\text{e-}01$ $2.07802325814891879546\text{e-}01$ $1.70779830074134754563\text{e-}02$ $1.99604072211367619211\text{e-}04$
10	$\pm 3.42901327223704608781\text{e-}01$ $\pm 1.03661082978951365422\text{e+}00$ $\pm 1.75668364929988177344\text{e+}00$ $\pm 2.53273167423278979644\text{e+}00$ $\pm 3.43615911883773760341\text{e+}00$	$6.10862633735325798764\text{e-}01$ $2.40138611082314686412\text{e-}01$ $3.38743944554810631376\text{e-}02$ $1.34364574678123269223\text{e-}03$ $7.64043285523262062930\text{e-}06$
24	$\pm 2.24414547472515585146\text{e-}01$ $\pm 6.74171107037212235982\text{e-}01$ $\pm 1.12676081761124507216\text{e+}00$ $\pm 1.58425001096169414854\text{e+}00$ $\pm 2.04900357366169891173\text{e+}00$ $\pm 2.52388101701142697421\text{e+}00$ $\pm 3.01254613756556482562\text{e+}00$ $\pm 3.52000681303452471124\text{e+}00$ $\pm 4.05366440244814950399\text{e+}00$ $\pm 4.62566275642378726485\text{e+}00$ $\pm 5.25938292766804436733\text{e+}00$ $\pm 6.01592556142573971732\text{e+}00$	$4.26931163868699249653\text{e-}01$ $2.86179535346443017908\text{e-}01$ $1.27739621784559160653\text{e-}01$ $3.74454705032307460144\text{e-}02$ $7.04835581007267097009\text{e-}03$ $8.23692482688417457913\text{e-}04$ $5.68869163640437976911\text{e-}05$ $2.15824570490233363221\text{e-}06$ $4.01897117494142968461\text{e-}08$ $3.04625426998756390390\text{e-}10$ $6.58462024307817006444\text{e-}13$ $1.66436849648910887378\text{e-}16$
48	$\pm 1.59492935848862470508\text{e-}01$ $\pm 4.78646337594496098242\text{e-}01$ $\pm 7.98304627778562231224\text{e-}01$ $\pm 1.11881215240215656334\text{e+}00$ $\pm 1.44052522013756518647\text{e+}00$ $\pm 1.76381757989530000620\text{e+}00$ $\pm 2.08908666094427643593\text{e+}00$ $\pm 2.41676090487321645894\text{e+}00$ $\pm 2.74730862482238321958\text{e+}00$ $\pm 3.08124898864510584967\text{e+}00$ $\pm 3.41916596936388461126\text{e+}00$ $\pm 3.76172649022835778754\text{e+}00$ $\pm 4.10970460356059023648\text{e+}00$ $\pm 4.46401454693445890387\text{e+}00$ $\pm 4.82575722813320948405\text{e+}00$ $\pm 5.19628771879236454109\text{e+}00$ $\pm 5.57731698122372862624\text{e+}00$ $\pm 5.97107222501354540766\text{e+}00$ $\pm 6.38056409618641062406\text{e+}00$ $\pm 6.81006457807414138659\text{e+}00$ $\pm 7.26604655416435040284\text{e+}00$ $\pm 7.75929551976577463936\text{e+}00$ $\pm 8.31075219070478413055\text{e+}00$ $\pm 8.97531508193168706209\text{e+}00$	$3.11001030377963078889\text{e-}01$ $2.53961542664759097647\text{e-}01$ $1.69204471945641106716\text{e-}01$ $9.18222970792851793213\text{e-}02$ $4.04796769846038489857\text{e-}02$ $1.44449615749810994174\text{e-}02$ $4.15300491197755245160\text{e-}03$ $9.56392319819415276727\text{e-}04$ $1.75150431801172828783\text{e-}04$ $2.52859902774848890262\text{e-}05$ $2.84725869173484808304\text{e-}06$ $2.46865899366975047785\text{e-}07$ $1.62251413589576983694\text{e-}08$ $7.93046749516538231080\text{e-}10$ $2.81529653783816910885\text{e-}11$ $7.04693258154588908422\text{e-}13$ $1.19758986547917935294\text{e-}14$ $1.31515962265840851188\text{e-}16$ $8.73015960118667654513\text{e-}19$ $3.18838732350513844266\text{e-}21$ $5.56457746890228483629\text{e-}24$ $3.68503608015066987942\text{e-}27$ $5.98461269331387842586\text{e-}31$ $7.93555146077399683864\text{e-}36$

Laguerre n	x_i	w_i
2	5.85786437626904951182e-01 3.41421356237309504876e+00	8.53553390593273762191e-01 1.46446609406726237796e-01
4	3.22547689619392311802e-01 1.74576110115834657569e+00 4.53662029692112798345e+00 9.39507091230113312950e+00	6.03154104341633601660e-01 3.57418692437799686640e-01 3.88879085150053842740e-02 5.39294705561327450102e-04
8	1.70279632305100999786e-01 9.03701776799379912170e-01 2.25108662986613068929e+00 4.26670017028765879378e+00 7.04590540239346569719e+00 1.07585160101809952241e+01 1.57406786412780045781e+01 2.28631317368892641052e+01	3.69188589341637529929e-01 4.18786780814342956078e-01 1.75794986637171805706e-01 3.33434922612156515224e-02 2.79453623522567252491e-03 9.07650877335821310457e-05 8.48574671627253154502e-07 1.04800117487151038157e-09

24	5.90198521815079769739e-02 3.11239146198483726850e-01 7.66096905545936646261e-01 1.42559759080361308635e+00 2.29256205863219029496e+00 3.37077426420899771615e+00 4.66508370346717079211e+00 6.18153511873676541179e+00 7.92753924717215217952e+00 9.91209801507770601851e+00 1.21461027117297655498e+01 1.46427322895966743419e+01 1.74179926465089787262e+01 2.04914600826164247076e+01 2.38873298481697331746e+01 2.76359371743327174205e+01 3.17760413523747232891e+01 3.63584058016516216520e+01 4.14517204848707670507e+01 4.71531064451563230421e+01 5.36085745446950698231e+01 6.10585314472187615648e+01 6.99622400351050304293e+01 8.14982792339488853750e+01	1.42811973334781851087e-01 2.58774107517423902671e-01 2.58806707272869802021e-01 1.83322688977778024900e-01 9.81662726299188921909e-02 4.07324781514086460259e-02 1.32260194051201566876e-02 3.36934905847830355197e-03 6.72162564093547889971e-04 1.04461214659275180474e-04 1.25447219779933332069e-05 1.15131581273727991985e-06 7.96081295913363025727e-08 4.07285898754999966522e-09 1.50700822629258491643e-10 3.91773651505845138514e-12 6.89418105295808568594e-14 7.81980038245944846907e-16 5.35018881301003760279e-18 2.01051746455550347083e-20 3.60576586455295903895e-23 2.45181884587840268905e-26 4.08830159368065782307e-30 5.57534578832835675306e-35
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Laguerre($\alpha = 0$) n	x_i	w_i
2	5.85786437626904951182e-01 3.41421356237309504876e+00	8.53553390593273762191e-01 1.46446609406726237796e-01
4	3.22547689619392311802e-01 1.74576110115834657569e+00 4.53662029692112798345e+00 9.39507091230113312950e+00	6.03154104341633601660e-01 3.57418692437799686640e-01 3.88879085150053842740e-02 5.39294705561327450102e-04
8	1.70279632305100999786e-01 9.03701776799379912170e-01 2.25108662986613068929e+00 4.26670017028765879378e+00 7.04590540239346569719e+00 1.07585160101809952241e+01 1.57406786412780045781e+01 2.28631317368892641052e+01	3.69188589341637529929e-01 4.18786780814342956078e-01 1.75794986637171805706e-01 3.33434922612156515224e-02 2.79453623522567252491e-03 9.07650877335821310457e-05 8.48574671627253154502e-07 1.04800117487151038157e-09