

NAG Library

Functions Withdrawn or Scheduled for Withdrawal

This document lists all those functions that have been withdrawn since Mark 23 of the Library or are scheduled for withdrawal at one of the next two marks.

The document gives the names of the functions which are now recommended as their replacements. Another document, 'Advice on Replacement Calls for Withdrawn/Superseded Routines', gives more detailed guidance.

Withdrawn Function	Mark of Withdrawal	Replacement Function(s)
c05adc	24	nag_zero_cont_func_brent (c05ayc)
c05agc	25	nag_zero_cont_func_brent_binsrch (c05auc)
c05nbc	24	nag_zero_nonlin_eqns_easy (c05qbc)
c05pbc	24	nag_zero_nonlin_eqns_deriv_easy (c05rbc)
c05sdc	25	nag_zero_cont_func_brent (c05ayc)
c05tbc	24	nag_zero_nonlin_eqns_easy (c05qbc)
c05ubc	25	nag_zero_nonlin_eqns_deriv_easy (c05rbc)
c05zbc	24	nag_check_derivs (c05zdc)
c05zcc	24	nag_check_derivs (c05zdc)
c06eac	26	nag_sum_fft_realherm_1d (c06pac)
c06ebc	26	nag_sum_fft_realherm_1d (c06pac)
c06ecc	26	nag_sum_fft_complex_1d (c06pcc)
c06ekc	26	nag_sum_convcorr_real (c06fkc)
c06frc	26	nag_sum_fft_complex_1d_multi (c06psc)
c06fuc	26	nag_sum_fft_complex_2d (c06puc)
c06gbc	26	No replacement required
c06gcc	26	No replacement required
c06hac	26	nag_sum_fft_sine (c06rec)
c06hbc	26	nag_sum_fft_cosine (c06rfc)
c06hcc	26	nag_sum_fft_qtrsine (c06rgc)
c06hdc	26	nag_sum_fft_qtrcosine (c06rhc)
d01ajc	24	nag_1d_quad_gen_1 (d01sjc)
d01akc	24	nag_1d_quad_osc_1 (d01skc)
d01alc	24	nag_1d_quad_brkpts_1 (d01slc)
d01amc	24	nag_1d_quad_inf_1 (d01smc)
d01anc	24	nag_1d_quad_wt_trig_1 (d01snc)
d01apc	24	nag_1d_quad_wt_alglog_1 (d01spc)
d01aqc	24	nag_1d_quad_wt_cauchy_1 (d01sqc)
d01asc	24	nag_1d_quad_inf_wt_trig_1 (d01ssc)
d01bac	24	nag_quad_1d_gauss_vec (d01uac)
d01fcc	25	nag_multid_quad_adapt_1 (d01wcc)
d01gbc	25	nag_multid_quad_monte_carlo_1 (d01xbc)
d02pcc	26	nag_ode_ivp_rkts_range (d02pec) and associated d02p functions
d02pdc	26	nag_ode_ivp_rkts_onestep (d02pfc) and associated d02p functions
d02ppc	26	No replacement required
d02pvc	26	nag_ode_ivp_rkts_setup (d02pqc)
d02pwc	26	nag_ode_ivp_rkts_reset_tend (d02prc)
d02pxc	26	nag_ode_ivp_rkts_interp (d02psc)
d02pzc	26	nag_ode_ivp_rkts_errass (d02puc)
e01sac	23	nag_2d_shep_interp (e01sgc) or nag_2d_triang_interp (e01sjc)
e01sbc	23	nag_2d_shep_eval (e01shc) or nag_2d_triang_eval (e01skc)
e01szc	23	No longer required.
e04ccc	24	nag_opt_simplex_easy (e04cbc)
e04jbc	26	nag_opt_nlp (e04ucc)

f01bnc	25	nag_zpotrf (f07frc)
f01qcc	25	nag_dgeqrf (f08aec)
f01qdc	25	nag_dormqr (f08agc)
f01qec	25	nag_dorgqr (f08afc)
f01rcc	25	nag_zgeqrf (f08ase)
f01rdc	25	nag_zunmqr (f08auc)
f01rec	25	nag_zungqr (f08atc)
f02aac	26	nag_dsyeve (f08fac)
f02abc	26	nag_dsyeve (f08fac)
f02adc	26	nag_dsygv (f08sac)
f02aec	26	nag_dsygv (f08sac)
f02afc	26	nag_dgeev (f08nac)
f02agc	26	nag_dgeev (f08nac)
f02awc	26	nag_zheev (f08fnc)
f02axc	26	nag_zheev (f08fnc)
f02bjc	26	nag_dggeev (f08wac)
f02wec	26	nag_dgesvd (f08kbc)
f02xec	26	nag_zgesvd (f08kpc)
f03aec	25	nag_dpotrf (f07fdc) and nag_det_real_sym (f03bfc)
f03afc	25	nag_dgetrf (f07adc) and nag_det_real_gen (f03bac)
f03ahc	25	nag_zgetrf (f07arc) and nag_det_complex_gen (f03bnc)
f04adc	25	nag_complex_gen_lin_solve (f04cac)
f04agc	25	nag_dpotsr (f07fec)
f04ajc	25	nag_dgetrs (f07aec)
f04akc	25	nag_zgetrs (f07asc)
f04arc	25	nag_real_gen_lin_solve (f04bac)
f04awc	25	nag_zpotsr (f07fsc)
f06pac	23	nag_dgemv (f16pac)
f06pbc	23	nag_dgbmv (f16pbc)
f06pcc	23	nag_dsymv (f16pcc)
f06pdc	23	nag_dsmbv (f16pdc)
f06pec	23	nag_dspmv (f16pec)
f06pfc	23	nag_dtrmv (f16pfc)
f06pgc	23	nag_dtbmv (f16pgc)
f06phc	23	nag_dtpmv (f16phc)
f06pje	23	nag_dtrsv (f16pje)
f06pkc	23	nag_dtbsv (f16pkc)
f06plc	23	nag_dtpsv (f16plc)
f06pmc	23	nag_dger (f16pmc)
f06ppc	23	nag_dsyr (f16ppc)
f06pqc	23	nag_dspr (f16pqc)
f06prc	23	nag_dsyr2 (f16prc)
f06psc	23	nag_dspr2 (f16psc)
f06sac	23	nag_zgemv (f16sac)
f06sbc	23	nag_zgbmv (f16sbc)
f06scc	23	nag_zhemv (f16scc)
f06sdc	23	nag_zhbm (f16sdc)
f06sec	23	nag_zhpmv (f16sec)
f06sfc	23	nag_ztrmv (f16sfc)
f06sgc	23	nag_ztbmv (f16sgc)
f06shc	23	nag_ztpmv (f16shc)
f06sjc	23	nag_ztrsv (f16sjc)
f06skc	23	nag_ztbsv (f16skc)
f06slc	23	nag_ztpsv (f16slc)
f06smc	23	nag_zger (f16smc)
f06snc	23	nag_zger (f16smc)
f06spc	23	nag_zher (f16spc)
f06sqc	23	nag_zhpr (f16sqc)
f06src	23	nag_zher2 (f16src)

f06ssc	23	nag_zhpr2 (f16ssc)
f06yac	23	nag_dgemm (f16yac)
f06ycc	23	nag_dsymm (f16ycc)
f06yfc	23	nag_dtrmm (f16yfc)
f06yje	23	nag_dtrsm (f16yje)
f06ypc	23	nag_dsyrk (f16ypc)
f06yrc	23	nag_dsyr2k (f16yrc)
f06zac	23	nag_zgemm (f16zac)
f06zcc	23	nag_zhemm (f16zcc)
f06zfc	23	nag_ztrmm (f16zfc)
f06zjc	23	nag_ztrsm (f16zjc)
f06zpc	23	nag_zherk (f16zpc)
f06zrc	23	nag_zher2k (f16zrc)
f06ztc	23	nag_zsymm (f16ztc)
f06zuc	23	nag_zsyrk (f16zuc)
f06zwc	23	nag_zsyr2k (f16zwc)
g01aac	26	nag_summary_stats_onevar (g01atc)
g01cec	24	nag_deviates_normal (g01fac)
g02ewc	25	nag_full_step_regsn_monfun (g02efh)
g05cac	24	nag_rand_basic (g05sac)
g05cbc	24	nag_rand_init_repeatable (g05kfc)
g05ccc	24	nag_rand_init_nonrepeatable (g05kgc)
g05cfc	24	No longer required.
g05cgc	24	No longer required.
g05dac	24	nag_rand_uniform (g05sqc)
g05dbc	24	nag_rand_exp (g05sfc)
g05ddc	24	nag_rand_normal (g05skc)
g05dyc	24	nag_rand_discrete_uniform (g05tlc)
g05eac	24	nag_rand_matrix_multi_normal (g05rzc)
g05ecc	24	nag_rand_poisson (g05tjc)
g05edc	24	nag_rand_binomial (g05tac)
g05ehc	24	nag_rand_permute (g05ncc)
g05ejc	24	nag_rand_sample (g05ndc)
g05exc	24	nag_rand_gen_discrete (g05tdc)
g05eyc	24	nag_rand_gen_discrete (g05tdc)
g05ezc	24	nag_rand_matrix_multi_normal (g05rzc)
g05fec	24	nag_rand_beta (g05sbc)
g05ffc	24	nag_rand_gamma (g05sjc)
g05hac	24	nag_rand_arma (g05phc)
g05hkc	24	nag_rand_agarchI (g05pdc)
g05hlc	24	nag_rand_agarchII (g05pec)
g05hmc	24	nag_rand_garchGJR (g05pfc)
g05kac	24	nag_rand_basic (g05sac)
g05kbc	24	nag_rand_init_repeatable (g05kfc)
g05kcc	24	nag_rand_init_nonrepeatable (g05kgc)
g05kec	24	nag_rand_logical (g05tbc)
g05lac	24	nag_rand_normal (g05skc)
g05lbc	24	nag_rand_students_t (g05snc)
g05lcc	24	nag_rand_chi_sq (g05sdc)
g05ldc	24	nag_rand_f (g05shc)
g05lec	24	nag_rand_beta (g05sbc)
g05lfc	24	nag_rand_gamma (g05sjc)
g05lgc	24	nag_rand_uniform (g05sqc)
g05lhc	24	nag_rand_triangular (g05spc)
g05ljc	24	nag_rand_exp (g05sfc)
g05lkc	24	nag_rand_lognormal (g05smc)
g05llc	24	nag_rand_cauchy (g05scc)
g05lmc	24	nag_rand_weibull (g05ssc)
g05lnc	24	nag_rand_logistic (g05slc)

g05lpc	24	nag_rand_von_mises (g05src)
g05lqc	24	nag_rand_exp_mix (g05sgc)
g05lxc	24	nag_rand_matrix_multi_students_t (g05ryc)
g05lyc	24	nag_rand_matrix_multi_normal (g05rzc)
g05lzc	24	nag_rand_matrix_multi_normal (g05rzc)
g05mac	24	nag_rand_discrete_uniform (g05tlc)
g05mbc	24	nag_rand_geom (g05tcc)
g05mcc	24	nag_rand_neg_bin (g05thc)
g05mdc	24	nag_rand_logarithmic (g05tfc)
g05mec	24	nag_rand_compound_poisson (g05tkc)
g05mjc	24	nag_rand_binomial (g05tac)
g05mkc	24	nag_rand_poisson (g05tjc)
g05mlc	24	nag_rand_hypergeometric (g05tec)
g05mrc	24	nag_rand_gen_multinomial (g05tgc)
g05mzc	24	nag_rand_gen_discrete (g05tdc)
g05nac	24	nag_rand_permute (g05ncc)
g05nbc	24	nag_rand_sample (g05ndc)
g05pac	24	nag_rand_arma (g05phc)
g05pcc	24	nag_rand_varma (g05pjc)
g05qac	24	nag_rand_orthog_matrix (g05pxc)
g05qbc	24	nag_rand_corr_matrix (g05pyc)
g05qdc	24	nag_rand_2_way_table (g05pzc)
g05rac	24	nag_rand_copula_normal (g05rdc)
g05rbc	24	nag_rand_copula_students_t (g05rcc)
g05yac	24	nag_quasi_init (g05ylc) and nag_quasi_rand_uniform (g05ymc)
g05ybc	24	nag_quasi_rand_normal (g05yjc) and nag_quasi_init (g05ylc)
g10bac	26	nag_kernel_density_gauss (g10bbc)
x02dac	24	No longer required.
x02djc	24	No longer required.
x04aec	25	No replacement required.
