

| Test Category | Specific Case | | Outcome |
|-------------------------------|-------------------------------|-------------------|---------|
| test_f_stress_ill_conditioned | test_f_stress_ill_conditioned | (1.0-50) | PASSED |
| | test_f_stress_ill_conditioned | (1.0-100) | PASSED |
| | test_f_stress_ill_conditioned | (1.0-200) | PASSED |
| | test_f_stress_ill_conditioned | (10000.0-50) | PASSED |
| | test_f_stress_ill_conditioned | (10000.0-100) | PASSED |
| | test_f_stress_ill_conditioned | (10000.0-200) | PASSED |
| | test_f_stress_ill_conditioned | (100000000.0-50) | PASSED |
| | test_f_stress_ill_conditioned | (100000000.0-100) | PASSED |
| | test_f_stress_ill_conditioned | (100000000.0-200) | PASSED |
| test_f_algorithm_path | test_f_algorithm_path | | PASSED |
| test_f_convexity_boundary | test_f_convexity_boundary | | PASSED |
| test_g_stress_ill_conditioned | test_g_stress_ill_conditioned | (100.0-50) | PASSED |
| | test_g_stress_ill_conditioned | (100.0-100) | PASSED |
| | test_g_stress_ill_conditioned | (100.0-200) | PASSED |
| | test_g_stress_ill_conditioned | (100000.0-50) | PASSED |
| | test_g_stress_ill_conditioned | (100000.0-100) | PASSED |
| | test_g_stress_ill_conditioned | (100000.0-200) | PASSED |
| | test_g_stress_ill_conditioned | (100000000.0-50) | PASSED |
| | test_g_stress_ill_conditioned | (100000000.0-100) | PASSED |
| | test_g_stress_ill_conditioned | (100000000.0-200) | PASSED |
| test_g_boundary_values | test_g_boundary_values | | PASSED |
| test_g_extreme_conditioning | test_g_extreme_conditioning | | PASSED |
| test_g_high_dimensions | test_g_high_dimensions | | PASSED |
| test_g_algorithm_path | test_g_algorithm_path | | PASSED |
| test_scipy_check_f | test_scipy_check_f | | PASSED |
| test_scipy_check_g | test_scipy_check_g | | PASSED |