Mean allocated memory required to achieve target error for 2- and 4- dimension Rosenbrock function 2 dimensions 1.00×10<sup>7</sup> 4 dimensions Mean allocated memory [B] 7.50×10<sup>6</sup> 5.00×10<sup>6</sup> 2.50×10<sup>6</sup> 0 **BFGS** L-BFGS GradientDescent Newton