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**CEC20 , CEC22 Single objective constrained numerical optimisation test function suite**

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- PSDE.m is the core of the PSDE algorithm, i.e. the part that dynamically selects secondary o perators based on the score.

- **How to replace the test function:**

  When using the CEC20 test function, place the cec20_func.cpp and input_data folders in the same folder as the algorithm. Set this folder to the current path.

  If you are using the CEC22 test function, replace cec20_func.cpp and input_data with cec22_ func.cpp and input_data from the CEC22 test function, and change the opt array in Introd_Pa r as commented in the code.

- **How to run PSDE:**

  Run main_loop.m for numerical optimization.

  Set the problem dimensions in main_loop.m to n=10 or n=20, as required.

  The final result statistics will be displayed in the Matlab command window and saved in the r esult_ folder.