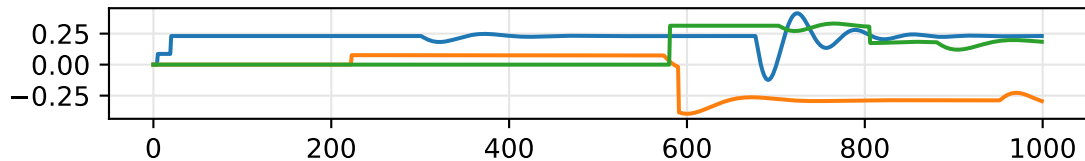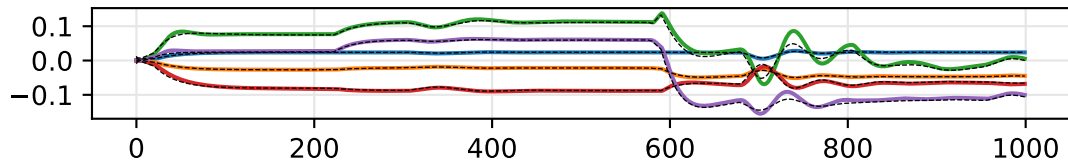test case: loadcase_1