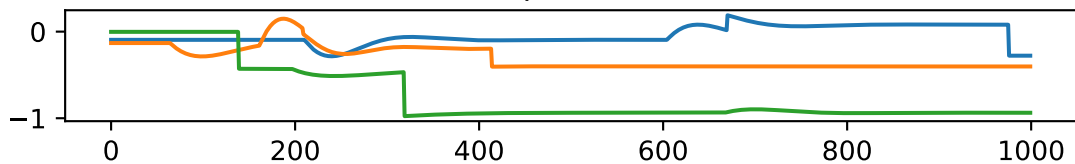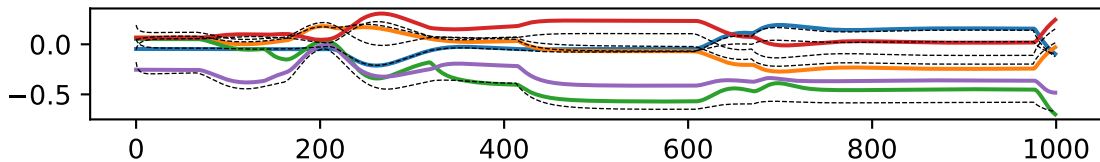test case 0