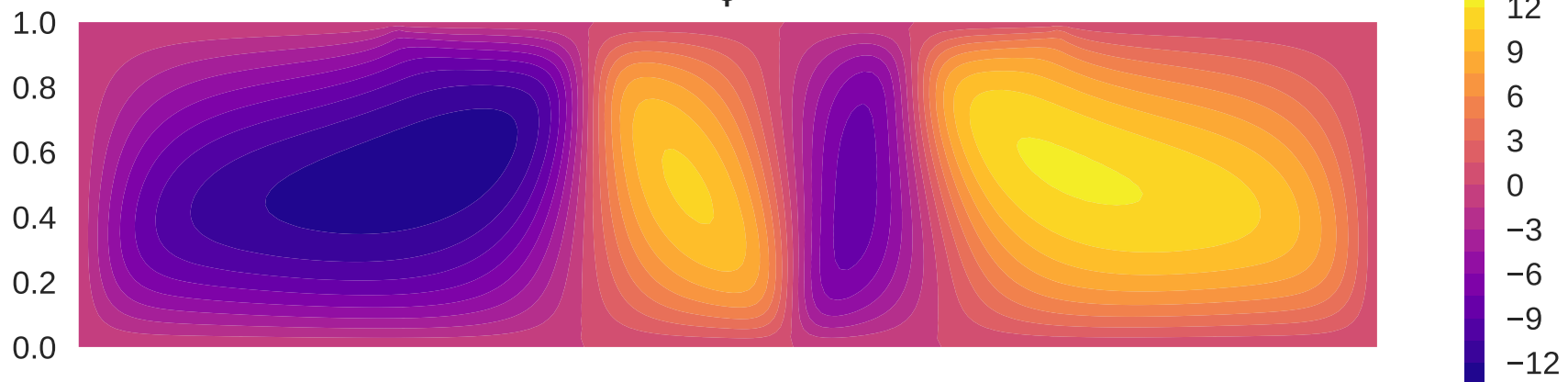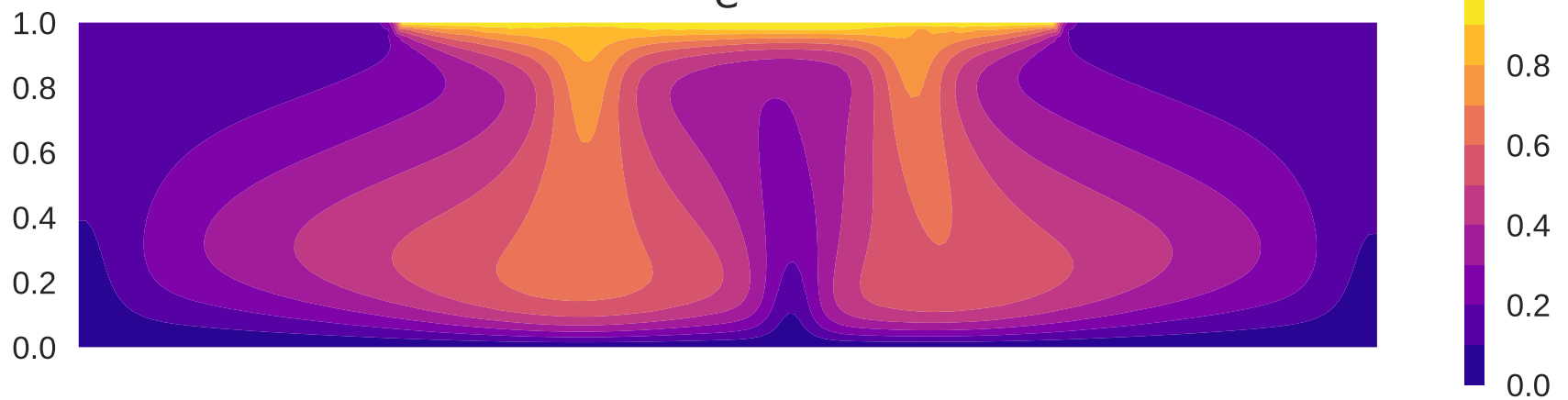Solution at $t = 1.239$ using $N = 6820$