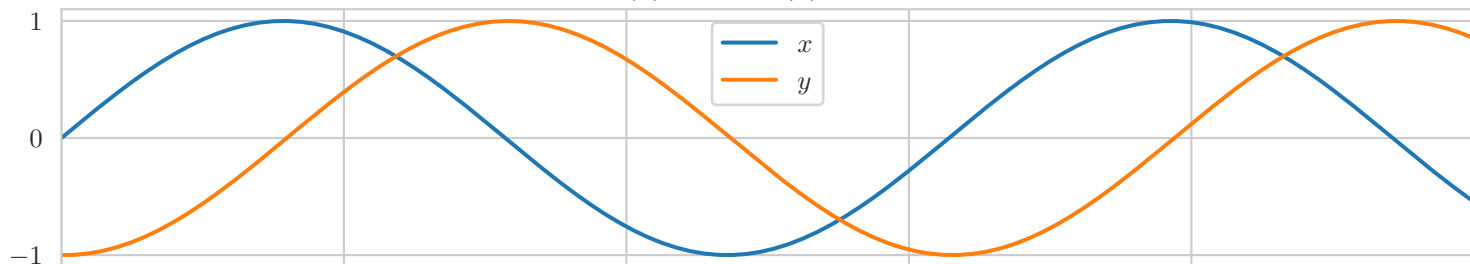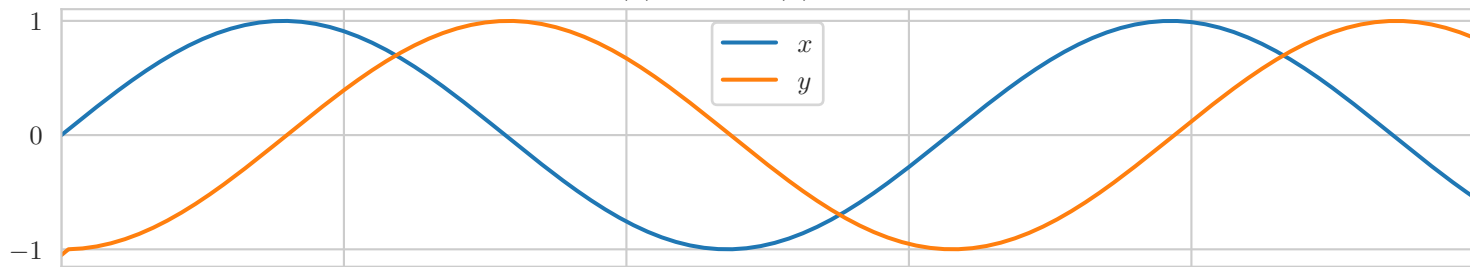Solutions to index-2 DAE system using Implicit Euler (BDF1)