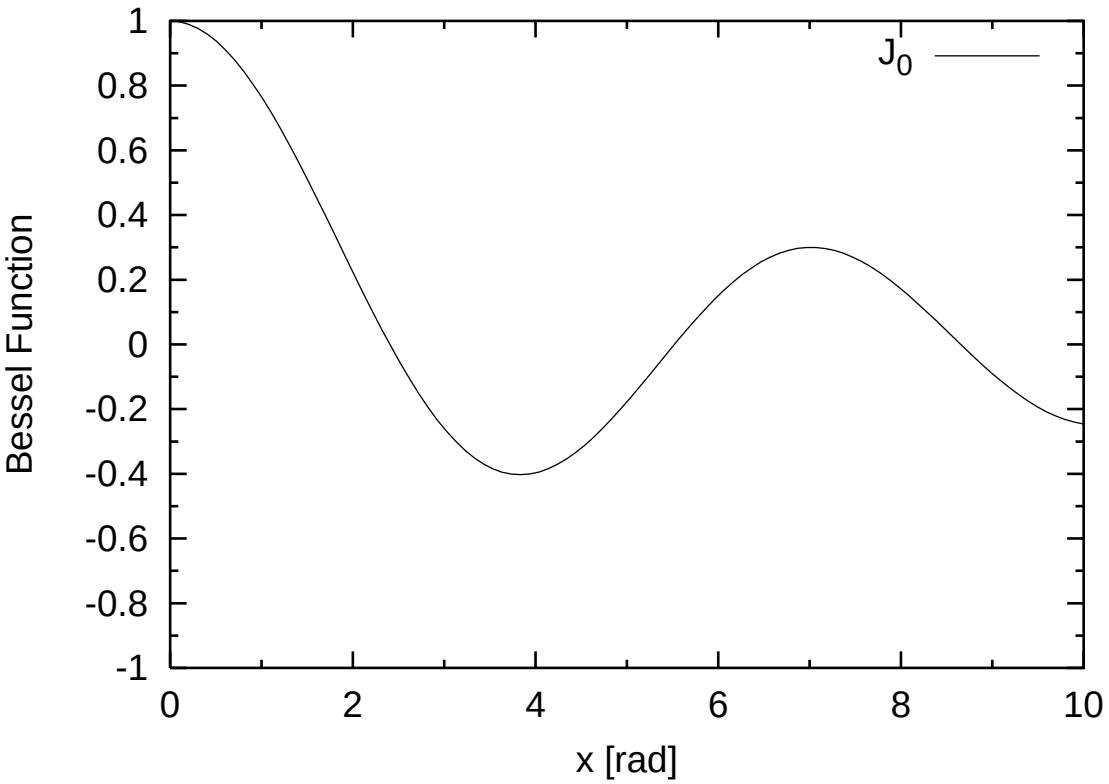Fig. 1 : Kawano, T. (Kyushu U.)