

Mathematics for Electrical Engineering Homework # 2

Jun Yoneyama

Due: June 24th, 2008

Problem 2.1 Calculate Laplace transforms $F(s)$ of following functions $f(t)$;

(i) $f(t) = t^2 e^{-3t}$

(ii) $f(t) = e^{-5t} \cos 2t$

(iii) $f(t) = (e^{-5t} \cos 2t) u(t-3)$

(iv) $f(t) = \int_0^t \tau \cos 5\tau d\tau$

(v)

