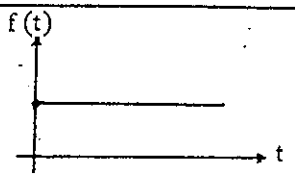
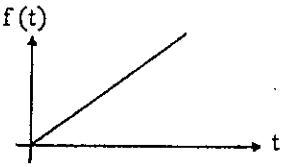
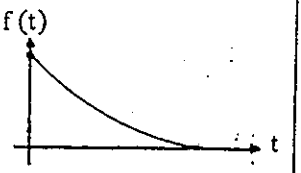
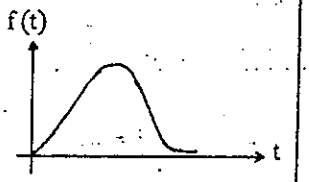
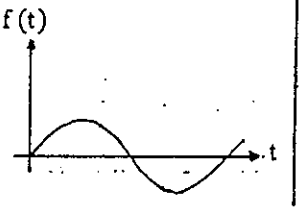
Lampiran

Tabel Transformasi Lapplace

	Fungsi Beban	Grafik	Lapplace Transform
1.	Unit Step Function $f(t) = 1$		$\frac{1}{S}$
2.	Ramp Function $f(t) = t$		$\frac{1}{S^2}$
3.	Parabolic Function $f(t) = t^n$		$\frac{n'}{S^n + 1}$
4.	Viscous Damping Function $f(t) = e^{-at}$		$\frac{1}{S + a}$
5.	Parabolic Damping Function $f(t) = t^n . e^{-at}$		$\frac{n'}{(S + a)^{n+1}}$
6.	Sinusoidal Function $f(t) = \sin Kt$		$\frac{K}{S^2 + K^2}$

Diambil dari buku: " TEKNIK SISTEM DAN KONTROL OTOMATIS ", Ir. Suharto, Penerbit Djambatan, hal. 58

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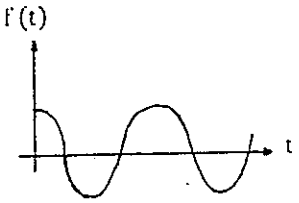
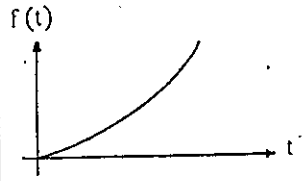
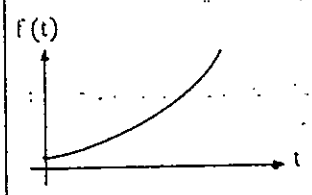
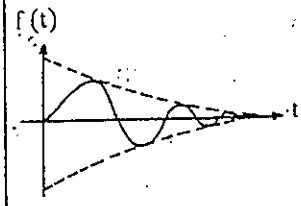
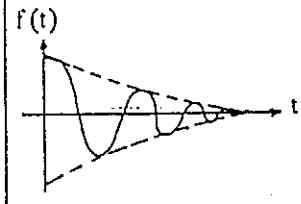
Tabel Transformasi Lapplace

	Fungsi Beban	Grafik	Lapplace Transform
7.	Cosinusoidal Function $f(t) = \cos Kt$		$\frac{S}{S^2 + K^2}$
8.	Sinus Hyperbolikus function $f(t) = \sin h\ Kt$		$\frac{K}{S^2 - K^2}$
9.	Cosinus Hyperbolikus function $f(t) = \cos h\ Kt$		$\frac{S}{S^2 + K^2}$
10.	Sinusoidal Damping function $f(t) = e^{-at}.\sin Kt$		$\frac{K}{(S+a)^2 + K^2}$
11.	Cosinusoidal Damping Function $f(t) = e^{-at}.\cos Kt$		$\frac{(S + a)}{(S+a)^2 + K^2}$

Diambil dari buku: " TEKNIK SISTEM DAN KONTROL OTOMATIS ", Ir. Suharto, Penerbit Djambatan, hal. 59