과목명: 일반물리학1 (반:교통물류, 컴퓨터1, 로봇)
2016 년도 1 학기 과제2 (9-11장,13-16장:35문제)
(교재:일반물리학(10판),Halliday, Resnick, and Walker)

9장-[보기]9.05, 9.08
[연습]9-9, 51, 64

10장-[보기]10.07, 10.10
[연습]10-18, 51, 64

11장-[보기]11.01
[연습]11-10, 23, 28, 39

13장-[보기]13.03, 13.05
[연습]13-1, 36, 38, 55

14장-[보기]14.04, 14.06
[연습]14-22, 39

15장-[보기]15.01, 15.02
[연습]15-1, 13, 35

16장-[보기]16.01, 16.02
[연습]16-1, 23, 27

[과제2 연습문제] 짝수번 답(9-16장)
(홀수번 답은 (p724-726)교재에 있음)

연습9-64 (a) $-2.39\,\mathrm{m/s}$ (b) $1.30\,\mathrm{m/s}$

연습10-18 (a) $-2.3\times10^{-9}\,\mathrm{rad/s^2}$ (b) $2.6\times10^{3}\,\mathrm{y}$ (c) $2.4\times10^{-2}\,\mathrm{s}$

연습10-64 (a) $I=0.24\,\mathrm{kg\cdot m^2}$ (b) $\omega=10\,\mathrm{rad/s}$

연습11-10 (a) $K_{rot} = 8.0\mathrm{J}$ (b) $V_{com} = 2.7\mathrm{m/s}$ (c) $K_f = 4.3\mathrm{J}$
(d) $V_{comf} = 1.3\mathrm{m/s}$

연습11-28 (a) $(9.0\times10^{2}\mathrm{kg\cdot m^{2}/s})\hat{\mathrm{k}}$ (b) $(11.0\times10^{2}\mathrm{kg\cdot m^{2}/s})\hat{\mathrm{k}}$

연습12-28 (a) $2.77\mathrm{N}$ (b) $1.29\mathrm{N}$

연습13-36 (a) $2.5\times10^{3}\mathrm{m/s}$ (b) $1.3\times10^{5}\mathrm{m/s}$ (c) $1.9\times10^{3}\mathrm{m/s}$

연습13-38 (a) $5.2\mathrm{y}$ (b) 6.7×10^{-5}

연습14-22 $7.3\mathrm{m/s}$