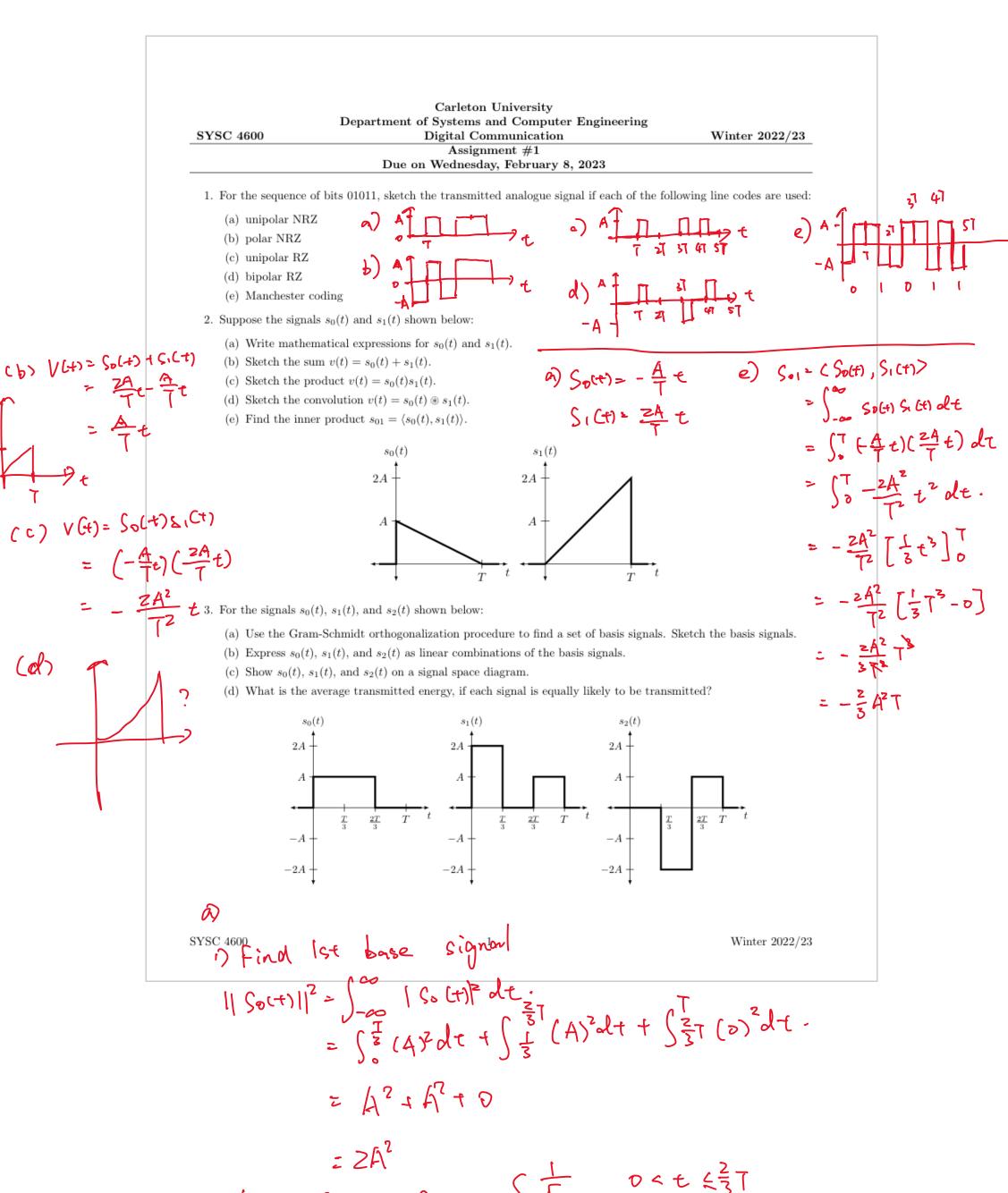
2023年2月27日 星期一

上午10:51





$$\frac{2}{\sqrt{5}} = \frac{50}{\sqrt{5}} = \frac$$

$$= \int_{-\infty}^{\infty} S_{1}(t) \, \phi_{0}(t) \, dt.$$

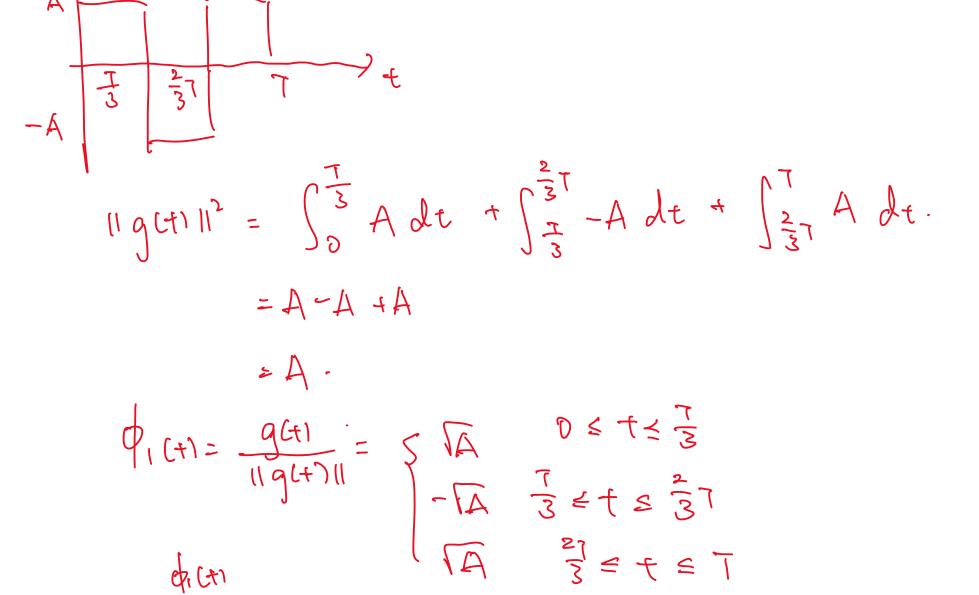
$$= \int_{0}^{\frac{7}{3}} 2A \times \int_{0}^{1} dt \, dt + \int_{\frac{7}{3}}^{\frac{7}{3}} 0 \times \int_{0}^{1} dt \, dt + \int_{\frac{27}{3}}^{\frac{7}{3}} A \times 0 \, dt.$$

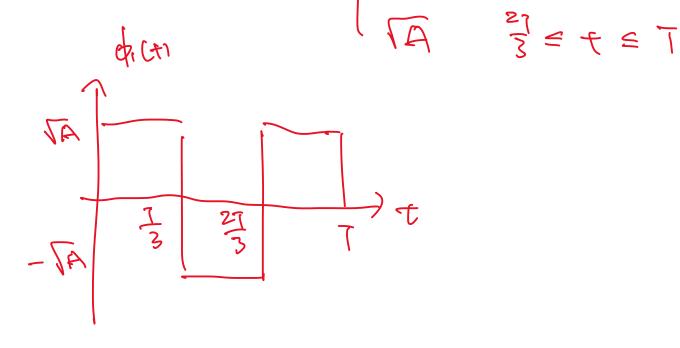
$$= \int_{0}^{\infty} 2A \times \int_{0}^{1} dt \, dt + \int_{\frac{7}{3}}^{\infty} 0 \times \int_{0}^{1} dt \, dt + \int_{\frac{27}{3}}^{\infty} A \times 0 \, dt.$$

$$= \int 2A - \int 2A \times \frac{1}{12} = 2A - A = A \qquad 0 \le 1 \le \frac{7}{3}$$

$$0 - \int 2A \times \frac{1}{12} = -A \qquad \frac{7}{3} \le 1 \le \frac{27}{3}$$

$$A - \int 2A \times 0 = A - 0 = A \qquad \frac{27}{3} \le 1 \le 7$$





SICH) =
$$\sqrt{18}A \times \sqrt{12} + \sqrt{14} \times \sqrt{14} = A + A = 2A$$

 $\sqrt{12}A \times \sqrt{12} + \sqrt{14} \times -\sqrt{14} = 2A - A = 2A$
 $\sqrt{12}A \times 20 + \sqrt{14} \times \sqrt{14} = 2A + A = A$
Martch $\sqrt{12}A \times 20 + A = 2A + A = A$

$$S_2 = -12A\phi_0 + 1A\phi_1$$

Summony:
 $S_0 = \sqrt{2}A\phi_0 (t)$

A)
$$Avg. E$$
.
 $E_0 = (\sqrt{2}A)^2 = 2A^2$
 $E_1 = (\sqrt{2}A)^2 + (\sqrt{A})^2 = 2A^2 + A$

$$E_{22} (-E_A)^2 + (E_A)^2 = 2A^2 + A$$

$$E_{Avg} = \frac{1}{3} (2A^2 + 2A^2 + A + 2A^2 + A)$$

$$= \frac{1}{3} (8A^2 + 2A)$$

= 2A2 + 3A.