

Contents

$$\begin{aligned}
 \hat{f}(x) &\propto \sum_{\nu} \frac{|F(\nu)H(\nu)|^2}{|N(\nu)|^2} \frac{G(\nu)}{H(\nu)} e^{\frac{2\pi i \nu x}{N}} \\
 &\propto \sum_{\nu} \frac{|F(\nu)|^2}{|N(\nu)|^2} H(\nu) H^*(\nu) \frac{G(\nu)}{H(\nu)} e^{\frac{2\pi i \nu x}{N}} \\
 &\propto \sum_{\nu} H^*(\nu) G(\nu) e^{\frac{2\pi i \nu x}{N}}
 \end{aligned}$$

$$\begin{array}{rcl}
 2x - 5y & & = 8 \\
 3x + 9y & & = -12
 \end{array}$$

$$\begin{aligned}
 A &= \frac{\pi r^2}{2} \\
 &= \frac{1}{2} \pi r^2
 \end{aligned} \tag{1}$$