

E) Given two string

str1="C++";

str2="interesting";

1) Use the string class in C++ to append str2 to the end of str1 and store the result to str3.

2) Compare the str3 with str1 and print the comparison result.

$$\begin{aligned}
 & \uparrow \quad \uparrow \\
 & \times \quad \times \quad \text{signal (dB)} \quad \text{noise (dB)} \\
 & = \\
 & \boxed{\text{SNR}} = \frac{\log \text{signal}}{\log \text{noise}} \rightarrow \text{dB} \\
 & \text{signal} = \text{signal} \\
 & - \text{SNR} \\
 & = \text{signal (dB)} - \text{signal (dB)} \\
 & + \text{noise (dB)} \\
 & = \text{noise (dB)} = N \\
 & \boxed{10 \log \frac{N}{10}} \quad \boxed{10 \log \frac{N}{10}} \quad \boxed{\text{subplot}}
 \end{aligned}$$

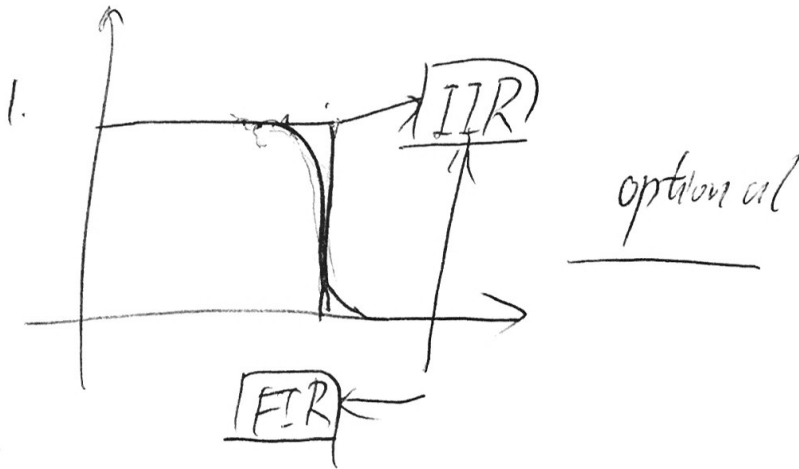
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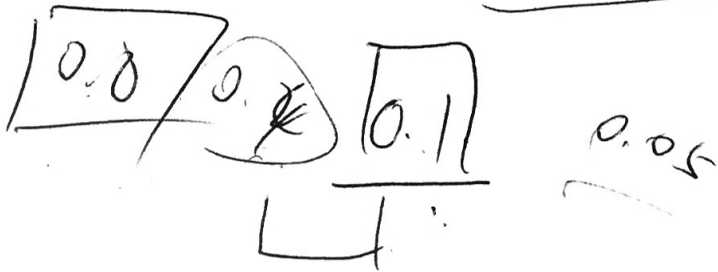
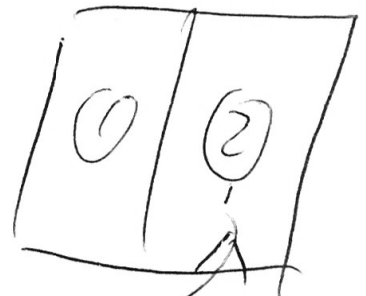
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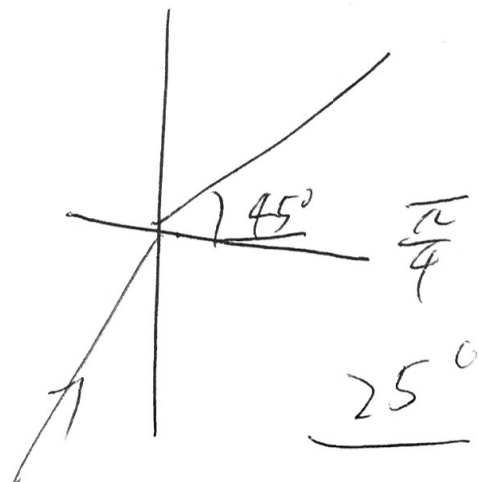


2. result

subplot (1, 2, 2)



MUSIC → DOA



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3. Evaluate the filter

$$\boxed{\beta_0} \rightarrow \begin{cases} \textcircled{1} \text{ no filter version} \rightarrow \text{error} \\ \hline \Delta P \leq \text{tolerance} \\ \textcircled{2} \text{ filter version} \end{cases}$$

$\rightarrow \text{error } \underline{\Delta P'}$

$$\Delta P \geq \Delta P'$$

4. $\rightarrow \begin{cases} \text{a set of experiment} \\ \text{find new } \boxed{\beta_0} \end{cases}$

$$\underline{\beta_0' > \beta_0}$$