Question: Let D be a diagonal R x R matrix whose diagonal

Let $\boldsymbol{D}$ be a diagonal $R \times R$ matrix whose diagonal elements are positive. Show that the maximizer $\widehat{\boldsymbol{\beta}}$ to

$$\underset{\boldsymbol{\beta} \in \mathbb{R}^R}{\text{maximize}} \ \|\boldsymbol{D}\boldsymbol{\beta}\|_2^2 \quad \text{subject to} \quad \|\boldsymbol{\beta}\|_2 = 1$$

has a 1 in the entry corresponding to the largest diagonal element of $\boldsymbol{D}$, and is 0 elsewhere.

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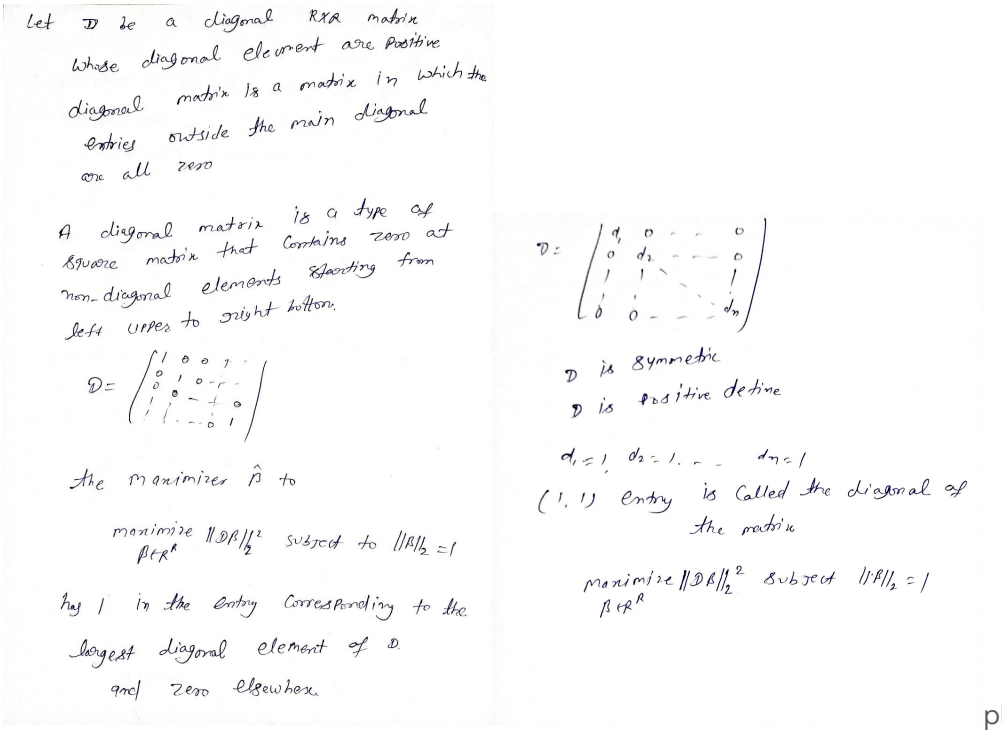
Expert Answer

Anonymous
answered this



please thumbs up dear 🙏

0 Comments

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1)Dorpac Corporation has a dividend yield of 1.2%. Its equity cost of capital is 7.8%and its dividends are expected to grow at a constant rate. a. What is the expected growth rate of Dorpac's dividends? b. What is the expected growth rate of Dorpac's share price? a. What is the expected growth rate of Dorpac's dividends? a. The growth rate will be %. (Round to one decimal...

See answer 94% (31 ratings)

Open and Shorted Transmission Lines. The two configurations in Figure 14.49 are given. The lines are lossless with air as insulator between the lines and operate at 300 MHz. The voltage of the generator is 12 V (a) Calculate the current supplied by the generator in Figure 14.49a (b) Calculate the current supplied by the generator in Figure 14.49b (c) How much power does the...

See answer

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