Quizzes of TTK4225 - Systems Theory, Autumn 2020

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Question 121

How may one interpret a $\mathbb{R}^{n \times m}$ matrix?

Question 122

How may one interpret the range of a $\mathbb{R}^{n \times m}$ matrix?

Question 123

Why is the range of a $\mathbb{R}^{n \times m}$ matrix important from control perspectives when analysing LTI systems?

Question 124

How may one interpret the kernel of a $\mathbb{R}^{n \times m}$ matrix?

Question 125

Why is the kernel of a $\mathbb{R}^{n \times m}$ matrix important from control perspectives when analysing LTI systems?

Question 126

How may one interpret the determinant of a $\mathbb{R}^{n \times n}$ matrix?

Question 127

Why is the determinant of a $\mathbb{R}^{n \times n}$ matrix important from control perspectives when analysing LTI systems?