

Ţ <u>Help</u>

sandipan_dey ~

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12.5.2 The Rayleigh Quotient Iteration

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■ Calculator

12.5.2 The Rayleigh Quotient Iteration

Pooding Assi	anmont		
Reading Assi			
0 points possible (ur Read Unit 12.5.2 c	ngraded) of the notes. <u>[LINK</u>]	
✓ Done			
✓			
Submit			
✓ Correct			
Homework 12	2.5.2.1		
I/1 point (ungraded)			
		rationScript.m illustrates how shifting the matrix by the	
•	•	ast the Shifted Inverse Power Method, starting with a ran	•
		e that the random vector is close to an eigenvector asso e method will start converging towards an eigenvector a	•
•		to how many digit are accurate from one iteration to the	
· ·			
To try it out, in the	e Command Windo	ow type	
	LentIterationScrip		
input a vector of [4; 3; 2; 1]	of eigenvalues. e.	g.: [4; 3; 2; 1]	
done/skip			
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Subiliit			
• Answers are	displayed within th	ne problem	
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