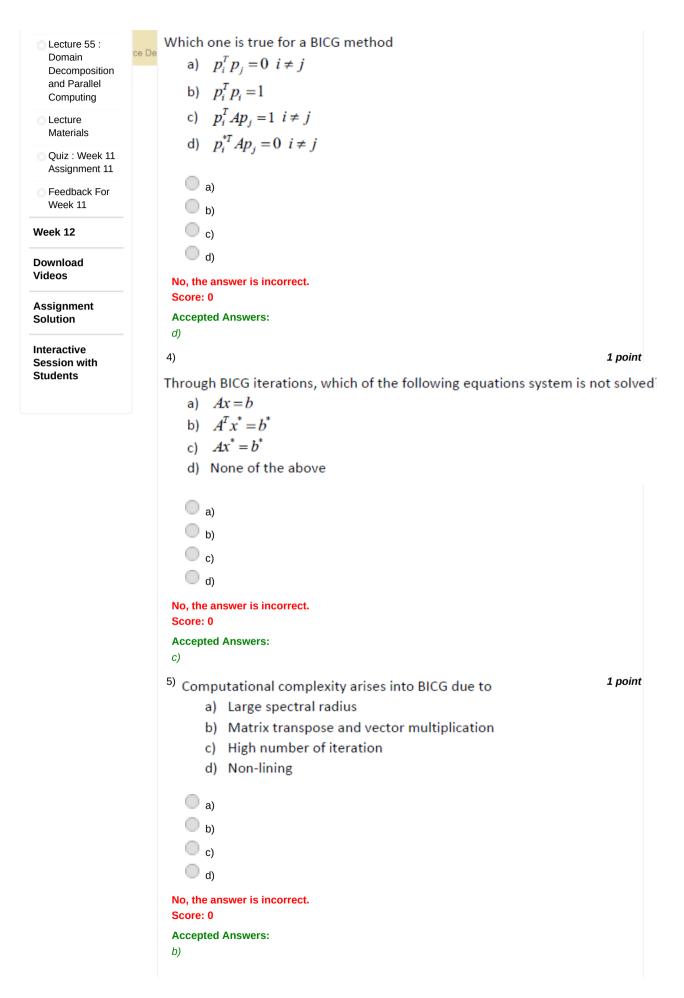


Unit 12 - Week 11

outline	The due date for submitting this assignment has passed				
low to access he portal	The due date for submitting this assignment has passed.As per our records you have not submitted thisDue on 2018assignment.	-10-17, 23:59 IST.			
Veek 1 : Unit 1	¹⁾ Which of the matrix cannot be solved by BICG	1 poi			
/eek 2 : Unit 2	a) Non-diagonal matrix				
/eek 3 : Unit 3	b) Singular matrix				
leek 5 : Onit 5	c) Non-symmetric matrix				
/eek 4 : unit 4	d) None of the above				
eek 5 : unit 5	• a)				
eek 6 : unit 6	b)				
eek 7 : Unit 7	o c)				
eek 8 : Unit 8	🔘 d)				
	No, the answer is incorrect.				
eek 9 : Unit 9	Score: 0				
eek 10 : Unit	Accepted Answers: b)				
	²⁾ For a non-symmetric matrix BICG uses	1 poi			
eek 11	a) Orthogonal projection				
Lecture 51 :	b) One-dimensional projection				
Numerical issues in BICG	c) Oblique projection				
and polynomial based formulation	d) None of the above				
	a)				
Lecture 52 : Conjugate	b				
gradient	• c)				
squared and Biconjugate	() (c)				







	1 point
To avoid instabilities in BICG which of the	
 a) Polynomial functions are used for b) Recursion is avoided by least square 	
c) Modified-Gram-Schmidt is used	
e, mounieu oran oenniaero aoea	
d) Direct solution is used	
O a)	
🔘 b)	
О с)	
🔘 d)	
No, the answer is incorrect. Score: 0	
Accepted Answers:	
a)	
7) ADL is	1 point
a) Direct solution method	
b) Iterative method	
c) Least square minimization method	1
d) Spectral decomposition method	
() a)	
b)	
• c)	
🔘 d)	
No, the answer is incorrect. Score: 0	
Accepted Answers: b)	
⁸⁾ For non-overlapping blocks in block re	laxation method 1 point
a) V_i is independent to W_i	
b) W_i is orthogonal to W_i	
c) V_i is same as W_i	
d) None of the above	
uj None of the above	
🔘 a)	
b)	
• c)	
() d)	
No, the answer is incorrect.	
Score: 0	
Accepted Answers:	
с)	

9)		a) b) c) d)	of the following solvers cannot be parallelized? Gauss-Seidel Jacobi Block Krylov-subspace All of the above can be parallelized	1 point
		d)		
	o, the core:		swer is incorrect.	
			Answers:	
aj				
10)			1 point
Wł	nich (of tl	he following factors is not a cause of overhead in a parallel p	rogram
	a)	Dist	tribution	
			nchronization	
			ration	
	d)	Cor	mmunication	
	\bigcirc	a)		
	$\overline{\circ}$			
	ŏ			
	-			
		d)		
	o, the core:		swer is incorrect.	
			Answers:	
c)				

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End

Matrix Solvers - - Unit 12 - Week 11