22

Marking Scheme for Assignment 2: Maximum score = 24

Basic Simulated	d Annealing Al	goritl	nm									
Score	0				2				4	A)		
Description	The implementation does not perform simulated annealing correctly.			si	The implementation performs simulated annealing, but proble evaluating moves properly.				The implementation correctly performs simulated annealing.			
Cost Function Calculation:												
Score	0 1				(2				(2)			
Description	calculation is not			corre	The cost function calculation is no correct, but is within a constant factor.				not The cost function calculation is correct.			
Efficiency:												
Score	0				2				4 /			
Description	The implementation is not efficient; run-time is much longer than it needs to be.				somewhat efficient, but small changes could make it faster.				efficien evidenc	e implementation is cient; there is clear dence of care creating an orithm that runs fast.		
	ling schedule tuning): How good are the results (compared to the rest of the class?).											
Score	0									4		
Description	function) is among the worst 25% in the class.				The results (final cost function) is than the bottom 25% of the class, worse than the top 25% of the cla report contains evidence that som attempt at schedule "tuning" was			lass, be class some	ass. The 25% of the class. The report contains			
Graphics:	Al			1								
Score	0 1							2	$\widehat{2}$			
Description	solution (o				nics only show the final or a small number of ate solutions)			pı	The graphics clearly shows the progress of the algorithm as it progresses.			
Code Quality:												
Score	0	1				2			(3)			
Description	Code is lacking in structure and comments.	"ac qua	de is of ademic ality, incomments.	code" luding		Code is of good "academic code" quality including extensive comments. Code is well structured			Code is of industrial quality, including evidence of unit tests and/ or extensive system tests.			
Report (maximu												
Score	1 2											
Description	or difficult to marking stread and/or English hunderstand			ng sch sh has ould r IEEE rence.	escribes most aspects of scheme clearly. The has grammar/clarity errors ld not be acceptable in a EE or ACM journal or ce.			Report describes all aspects of marking scheme clearly. The English is of a professional standard that would be acceptable in a major IEEE or ACM journal or conference.				
	re to identify a	ny ex	tension	s in yo	our repoi	rt):)				
Score	0]	l				2	/				
Description	Assignment The implementation contains one implemented as in handout. The implementation contains one or more straightforward extensions.						The implementation goes beyond what is described in the handout in a non-trivial way.					

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UNIVERSITY OF BRITISH COLUMBIA DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

CPEN 513: CAD Algorithms for Integrated Circuits 2022/2023 Term 2

Assignment 2 – Average Scores for submitted assignments that reported final cost for all circuits

3 assignments not included because the calculation of the cost function had errors