













Trigonometric Functions in My Heart: Modeling PPG Pulses with Basic Trigonometric Functions

TeachEngineering

Project

Learn that trigonometric functions can model how their hearts work and can provide important information about their cardiovascular condition.

Suggested Learning					
Time	3 : 00	Cost	0.00		
PreRequisites					
Requirements					
Skills					
		Focus	Level	Standard	Points
	Biology				12
	Monitoring				4
	Troubleshooting				4
	MS Excel				4
Total Skill Points					24
Knowledge Gain					
Understand how a photoplethysmogram (PPG) analyzes and outputs information. Use a digital pulse oximeter.					
Resource Link					
https://www.teachengineering.org/activities/view/rice4-2386-trigonometric-functions-heart-modeling-ppg-pulses					

Skills Label™

Patent 11587190

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