

CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Name(s) Jaston Epp; Samuel Taylor		Project Number	
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Project Title			
Sorting Algorithms			
Objectives/Goals	Abstract		
The objective of this experiment is to find algorithms. Our hypothesis was that merge to sort a short list than a long list and is ab numbers into many simple operations of c Methods/Materials In order to test our hypothesis, my partner random integers in no particular order and from least to greatest. Materials include a Results In our 1,000 tests, the average sorting time sorting time for mergesort was 0.00443043 0.005519048 seconds. The average sorting time for quicksort was was 0.106378149 seconds. Conclusions/Discussion Insertion sort turned out to be the fastest set time mergesort must have to merge lists.	esort would be the fastest as it ble to break down the complexi comparing only two numbers. The and I created a program in Pyte then measures how fast each a computer running Windows ar e for insertion sort was 0.00050 23 seconds. The average sortin s 0.05777026 seconds. The ave	takes advantage of it being easier ities of sorting thousands of thon that generates a list of 1,000 algorithm is able to sort that list nd Python. 05785 seconds. The average ng time for heap sort was erage sorting time for Bubblesort	
Summary Statement The project's purpose is to find the fastest	sorting algorithm out of five c	ommon algorithms.	
Summary Statement The project's purpose is to find the fastest Help Received	sorting algorithm out of five co	ommon algorithms	

CodeCodex was consulted to aid in writing the program. We learned Python from MIT OpenCourseWare.