



**CALIFORNIA STATE SCIENCE FAIR
2005 PROJECT SUMMARY**

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| Name(s) Dennis G. Moore | Project Number J0725 |
| Project Title How Far Can a Computer Take You? | |
| Abstract Objectives/Goals The purpose of this experiment is to try to find if distance has any effect on the speed of two computers connections. Methods/Materials First, to test this, the program Ping would have to be open and running. Then, the IP address of the computer must be pinged 5000 times (ping xxx.xxx.xxx #n 5000). After this is completed, the results are recorded and the next IP address is pinged 5000 times. Results Some of the more interesting results were Ethiopia; it was the farthest distance away, but it got a regular time of 108 milliseconds. Hong Kong is similar to this. It is 11823 km away (7th greatest distance) and it tied for fastest with the Bahamas. Conclusions/Discussion Most of the results were that there was no correspondence between the distance and speed of a computer. There was a very general increase of the speed as the distance increased, but no specific conclusion was reached. This was due to the lack of variables in the project. | |
| Summary Statement "How Far Can a Computer Take You?" tested the speed of a computer over varying distances. | |
| Help Received Research Paper correction by Parents and neighbors Kim and Larry Chan; My science teacher Mrs. Gillum for helping me do my best work possible. | |