

## CALIFORNIA STATE SCIENCE FAIR 2011 PROJECT SUMMARY

Jason Lan Project Title What Is the Relationship between the Angle of the Sun In the Time? Material Abstract Dijectives/Coals Alagoole that measured 150 centimeters was set perpendicular to the sourch. The engle of the shadow measured and recorded at 2:00 pm every five minutes until 2:30 performers and the shadow measured and recorded at 2:00 pm every five minutes until 2:30 performers and the shadow measured and recorded at 2:00 pm every five minutes until 2:30 performers and the shadow measured and recorded at 2:00 pm every five minutes until 2:30 performers and the shadow that produced each length was then calculated using trianometry Results Each day the shadows were shorter and the angles were greater. This subsected that a day was shorter than 24 hours and so the earth would rotate more than a full contraine in 24 hours. The angle of the Sun changed at an average of 1.45 radiants per hour (24 radiants is a full contrained in the Sun changes at this rate, it would be too slow to turn a full contraine in 24 hours. There must have been a flaw in the experiment to cause this. Conclusions/Discussion It think the reason my experiment did not turn out the same I had expected it to was because I was thinking that the Sun is moving across the sky when actually the Early is branching. This alone was not the cause of the error, the Sun is moving across the sky men actually the Early is branching. This alone was not the cause of the error, the Sun is moving across the sky relative to there I have at the surface of the Early have been at the error, the Sun is moving across the sky relative to the surface of the Early have been at the surface of the potent of the location where the experiment takes be the if it in the Early have been at the surface of the grand the same of the grand the same of change would any how been experiment takes be the early the surface of the Early have been at the closer you are to the equator, the closer to my hypotings the real work the surface of the Early have been	Name(s)	Project Number
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