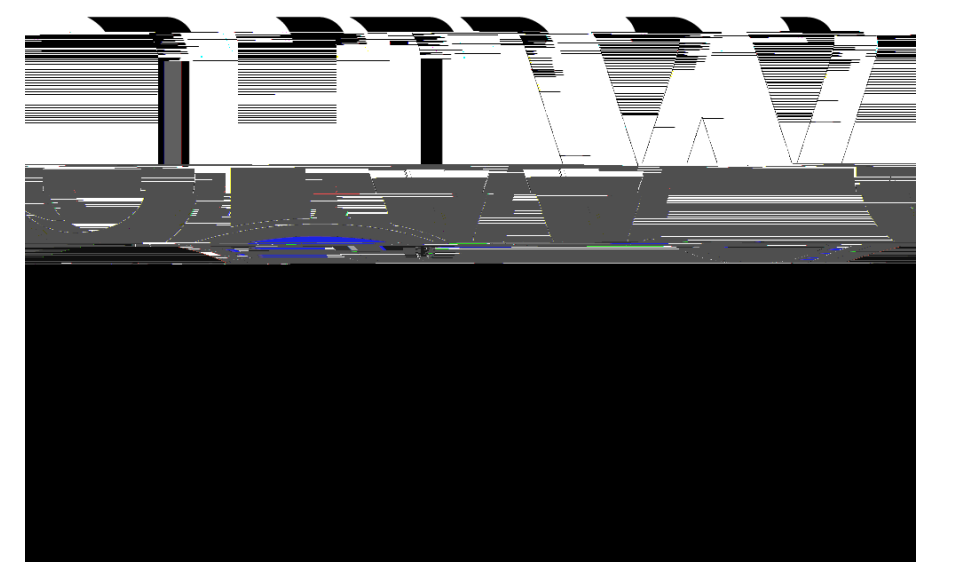


# ASTRONOMICAL SPECTROSCOPY



## Abstract

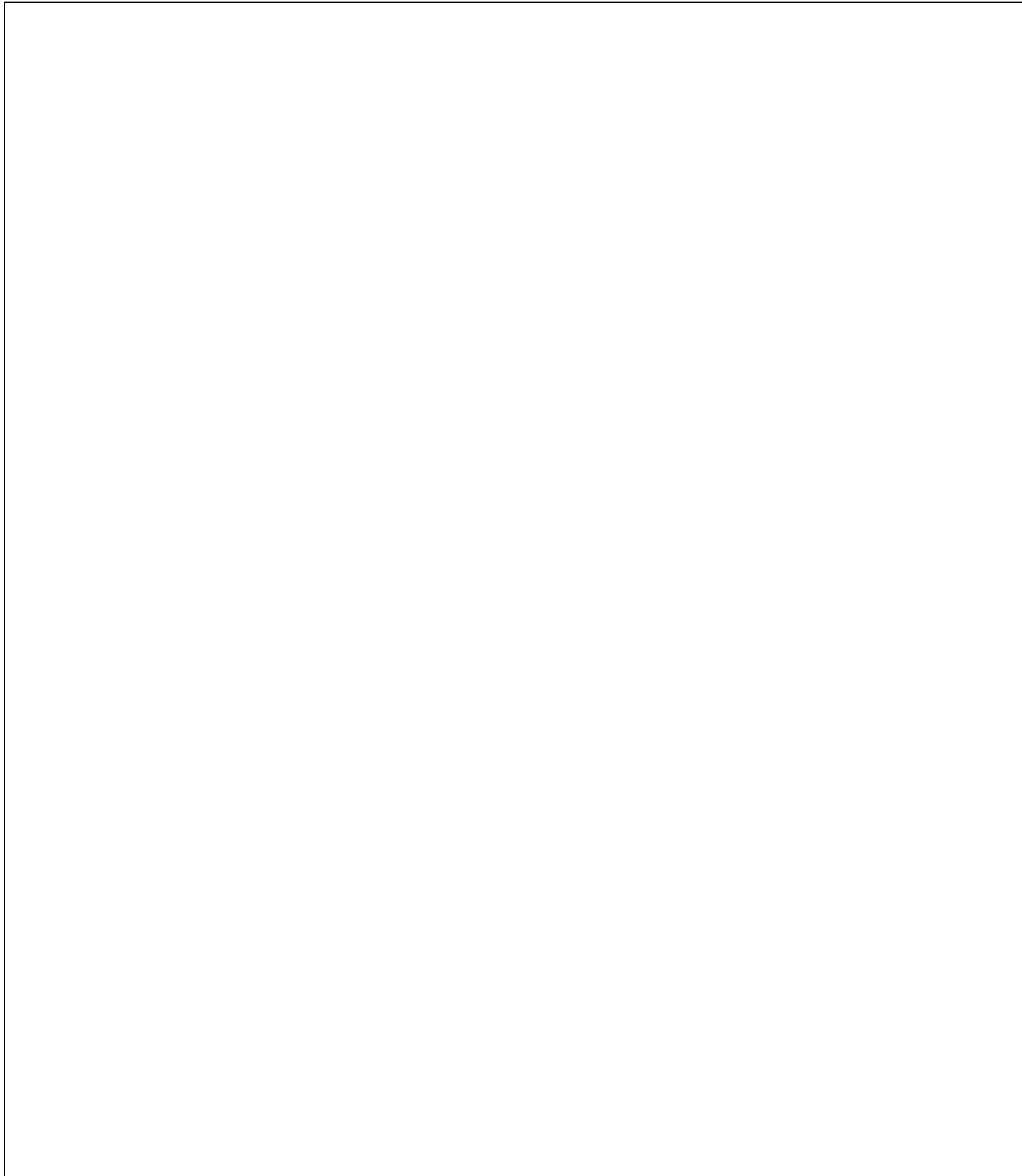
In this project we investigated spectroscopy and its application to astronomy. We learned about the different analysis techniques and its relationship to light, matter, lab spectrum, stellar composition and its spectral type and temperatures. We took data from several discharge tubes to identify the unknown gases. In addition, we collected data using the virtual telescope, VIREO, to calculate distance to the stars. Finally, we were able to verify law and estimated the age of the universe within an error of 2%.

## Background

Spectroscopy is a branch of science that studies interaction of light and matter. three different types of spectrums Continuous, Absorption and Emission

We used equation, — to calculate the energy required by an electron to transition from one energy level to another law,

## Results and Conclusion



## Results and Conclusion

## References and Guide

## Acknowledgements

