

STACUP-2023 Research Projects

Project 1: Constraint Cosmological Parameters of Flat- Λ CDM Model using Hubble Parameter Measurements.

Project 2: Constraint Cosmological Parameters of Non-Flat- Λ CDM Model using Hubble Parameter Measurements.

Project 3: Constraint Cosmological Parameters of Flat- ω CDM Model using Hubble Parameter Measurements.

Project 4: Constraint Cosmological Parameters of Flat- z_t CDM Model using Hubble Parameter Measurements.

Project 5: Constraint Cosmological Parameters of Flat- q CDM Model using Hubble Parameter Measurements.

Project 6: Constraint Cosmological Parameters of Flat- Λ CDM Model using Type Ia Supernovae Observations.

Project 7: Constraint Cosmological Parameters of Flat- ω CDM Model using Type Ia Supernovae Observations.

Project 8: Constraint Cosmological Parameters of Flat- z_t CDM Model using Type Ia Supernovae Observations.

Project 9: Constraint Cosmological Parameters of Flat- q CDM Model using Type Ia Supernovae Observations.

Project 10: Determine Mars Orbit using Kepler's Triangulation Technique.