
Workshop

THE SOLAR CYCLE AND CALENDARS, CURRENCY AND NUMBERS: RELATIONS TO SOCIETY AND CULTURE

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In the workshop, the solar cycle, seen from different latitudes and at different times of the year, will be studied and linked to calendars in use at various times and places, based on the solar cycle.

The solar cycle will be simulated by the use of the free software GeoGebra. Participants are encouraged to bring their own computers and download GeoGebra in order to create their own solar-cycle programs. Such programs are based on trigonometric functions and therefore suit students aged approximately 15 to 18 years.

Furthermore, a choice of currencies will be explored and their origins studied in order to reveal their connections to their original socio-economic environments.

Lastly, numerals, numerical systems and counting in selected languages and societies will be studied with respect to their origins and their connections to societal activities.

Participants are encouraged to contribute examples and ideas to the topics above and other related topics.