1. Record Nr. UNISA990003257090203316

Autore	JONES, Burton W.
Titolo	Linear algebra / Burton W. Jones
Pubbl/distr/stampa	San Francisco : Holden Day, 1973
ISBN	0-8162-4544-4
Descrizione fisica	XI, 315 p. ; 24 cm
Collana	Holden-Day series in mathematics
Disciplina	512.5
Soggetti	Algebra lineare
Collocazione	512.5 JON
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910437978203321

Autore	Alpin Karen L
Titolo	Electrifying atmospheres : charging, ionisation and lightning in the solar system and beyond / / Karen L. Alpin
Pubbl/distr/stampa	New York, : Springer, 2013
ISBN	94-007-6633-5
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (64 p.)
Collana	SpringerBriefs in astronomy, , 2191-9100
Disciplina	523.4
Soggetti	Atmospheric electricity Planets - Atmospheres
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Preface -- 1. Introduction and Scope -- 2. Fair-Weather Atmospheric Electrification on Earth -- 3. Venus -- 4. Mars -- 5. Jupiter and Saturn

-- 6. Titan -- 7. Uranus and Neptune -- 8. Triton and Pluto -- 9. Exoplanetary Atmospheric Electricity -- 10. Conclusions.

Sommario/riassunto

Electrical processes take place in all planetary atmospheres. There is evidence for lightning on Venus, Jupiter, Saturn, Uranus and Neptune, it is possible on Mars and Titan, and cosmic rays ionise every atmosphere, leading to charged droplets and particles. Controversy surrounds the role of atmospheric electricity in physical climate processes on Earth; here, a comparative approach is employed to review the role of electrification in the atmospheres of other planets and their moons. This book reviews the theory, and, where available, measurements, of planetary atmospheric electricity, taken to include ion production and ion-aerosol interactions. The conditions necessary for a global atmospheric electric circuit similar to Earth's, and the likelihood of meeting these conditions in other planetary atmospheres, are briefly discussed. Atmospheric electrification is more important at planets receiving little solar radiation, increasing the relative significance of electrical forces. Nucleation onto atmospheric ions has been predicted to affect the evolution and lifetime of haze layers on Titan, Neptune and Triton. For planets closer to Earth, heating from solar radiation dominates atmospheric circulations. Mars may have a global circuit analogous to the terrestrial model, but based on electrical discharges from dust storms, and Titan may have a similar global circuit, based on transfer of charged raindrops. There is an increasing need for direct measurements of planetary atmospheric electrification, in particular on Mars, to assess the risk for future unmanned and manned missions. Theoretical understanding could be increased by cross-disciplinary work to modify and update models and parameterisations initially developed for a specific atmosphere, to make them more broadly applicable to other planetary atmospheres. The possibility of electrical processes in the atmospheres of exoplanets is also discussed.

3.

Record Nr.	UNINA9911045626103321
Autore	Giardi, Dario
Titolo	E se fosse la musica a salvarci? : la memoria dei suoni e la sfida climatica / Dario Giardi
Pubbl/distr/stampa	Milano ; Udine, : Mimesis, 2025
ISBN	9791222320748
Descrizione fisica	156 p. ; 17 cm
Collana	Mimesis. Eterotopie ; 1046
Disciplina	781.23
Locazione	FLFBC
Collocazione	780.12 GIAD 01
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia