



Alireza Aghaee

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Education

- ✓ B.Sc, Applied Physics, Ferdowsi University of Mashhad - 1992
- ✓ MS, Physics, Shahid Bahaonar University of Kerman - 1996
- ✓ PhD, Physics - Astrophysics, Paris 6 - 2007

Courses

- | | |
|--|-------------------------------------|
| 1. Project | 2. Advanced Statistical Mechanics 1 |
| 3. Structure and Evolution of Galaxies | 4. Special Topics |
| 5. Astrophysics 1 | 6. Cosmology |
| 7. Special Topics of Astronomy | 8. Introduction Astro Physics |
| 9. Special Topics 2 | 10. Astrophysics 2 |
| 11. Advanced Astrophysics1 | 12. Advanced Astrophysics 2 |
| 13. Physics 2 | 14. Physics 1 |
| 15. Basic Physics 1 | 16. Basic Physics 2 |
| 17. Seminar (Intercourse Discussion) | 18. Technical English |
| 19. Astronomy and Astrophysics | 20. Technical English Astrophysics |
| 21. Observational Astrophysics and Cosmology | 22. Physics Laboratory 2 |

Master Thesis

1. Studying the column density distribution of neutral Hydrogen in extremely strong damped Lyman-alpha absorption systems of quasar spectra and the effect of these systems on the color of background quas

مجتبی میری [Alireza Aghaee, Ali Reza Sobhani]

نیمسال اول سال تحصیلی 93-94

2. Investigating color properties of the SDSS-DR9 quasars in the infrared region

مژگان بلیاد [Alireza Aghaee]

نیمسال اول سال تحصیلی 91-92

3. Spectral Data Reduction and Analysis of Broad Absorption Line Quasar J1614+3752

صدیقه دری جانی [Alireza Aghaee]

نیمسال اول سال تحصیلی 91-92

Journals Papers

2022

1. Experiences of a Group of Faculty Members in University of Sistan and Baluchestan on Decreased Fraud Solutions for E-Tests

Mehri Mehrjoo, Mehrdad Mazaheri Dasht Arjandi, Mehri Rajaei, Hadi Esmaeeli Darmian, Farhad Shahraki,

Iranian Distance Education Journal Volume: (4) 9 - 20

2016

2. Estimating the continuum of quasars using the artificial neural networks

, Alireza Aghaee, S. Masoud Barakati

Iranian Journal of Astronomy and Astrophysic Volume: (3) 1 - 13

2013

3. Predicting luminosities QSOs continua from the SDSS at $z \approx 3$ in the Ly alpha Forest

Zeynab Kiyamehr, Alireza Aghaee

Volume: (3) 33 - 44

2012

4. Mrk180 داده کاهي و آناليز تصاویر چند باندي نوري بلازار

, Alireza Aghaee

Iranian Journal of Physics Research Volume: (12) 123 - 136

2010

5. Determination of the Mean HI Absorption of the Intergalactic Medium

Alireza Aghaee

JOURNAL OF ASTROPHYSICS AND ASTRONOMY Volume: () -

2009

6. Damped and Sub-damped Lyman- absorbers in $z \approx 4$ QSOs

R Guimaraes, P. Petitjean, R.R. de Carvalho, S.G. Djorgovski, P. Notredaeme, S. Castro, P.C.da R. P

astronomy astrophysics Volume: (1) -

2007

7. Evidence for overdensity around $z \approx 4$ quasars from the proximity effect

R. Guimar?es, P. Petitjean, E. Rollinde, R. R. de Carvalho, S. G. Djorgovski, R. Srianand, Alireza A

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY Volume: (377) 657 - 666

Conferences Papers

2022

1. Investigation Of The Effect Of Metal Lines On The Flux Probability Distribution Function In The Lyman Alpha Forest Of Quasars

15th National Conference on Astronomy and Astrophysics of Iran

Sara Rezaee Darestanee, Reza Pzhouhesh, Alireza Aghaee

2020

2. Investigation of the Flux Probability Distribution Function of 50 Quasar spectra in the Lya Forest

13th National Conference on Astronomy and Astrophysics of Iran

Sara Rezaee Darestanee, Reza Pazhouhesh, Alireza Aghaee

3. Identification and Calculation of the Equivalent Width of Mg II and C IV Absorption Lines in UVES Spectra of 145 Quasars

13th National Conference on Astronomy and Astrophysics of Iran

Maryam Saravani, Alireza Aghaee, Raziye Hosseini

2019

4. Dynamical Systems Analysis in Gauss-bonnet Chameleon scalar field Model

, Fatemeh Tayebi Naeimpour, Alireza Aghaee

5. Investigating the Apparent Column Density of the Metal Absorption Lines in Seven Quasar spectrum of UVES

Raziye Hosseini, Alireza Aghaee

2018

6. Searching for Absorption Lines of Interventional Systems in Quasar Spectra Using Identified Mg II and C IV Systems

11th Natinal Conference on Astronomy and Astrophysics

Ahmad Sarostad, Razieh Hosseini, Alireza Aghaee

7. Finding Cosmic Metals Using Quasar Spectra

11th Natinal Conference on Astronomy and Astrophysics

Alireza Aghaee

2017

8. Investigating of the Velocity Spread of C IV absorption systems

10th National Conference on Astronomy and Astrophysics

, Raziye Hosseini, Alireza Aghaee

9. Identification and Investigation the Redshift Evolution of C IV Absorption Systems

10th National Conference on Astronomy and Astrophysics

, Raziye Hosseini, Alireza Aghaee

2016

10. Investigating the Evolution of Mg II Absorption System on Cosmic Times Scale

9th National Conference on Astronomy and Astrophysics of Iran

, Alireza Aghaee

11. Evolution of $((w_r(\text{Fe II}))/w_r(\text{Mg II}(2796))))$ ratio for Fe II Four Transitions in Redshift Range 0.3 to 2.9

9th National Conference on Astronomy and Astrophysics of Iran

, Alireza Aghaee

12. Investigating of the Velocity Spread of Strong and Very Strong Mg II Absorbers

9th National Conference on Astronomy and Astrophysics of Iran

13. Probing the Time Variability of Broad Absorption Line Systems

2009

14. The Continuum of Quasars in the Lyman-Alpha Forest

25th colloquium de I IAP

Alireza Aghaee, ,

2008

15. Determination of the quasar continuum for high redshift highly luminous quasars

xxiv th IAP conference

Alireza Aghaee, P Petitjean, R Srianand, C.S Stalin

16. Absorption of the light of quasars due to inter-galactic neutral Hydrogen Applying different methods of determining quasar continuum

Alireza Aghaee, , , ,

17. Verifying intra-night optical variability of radio quite quasar J020137.77 002535.1

Executive activities

Research Project

1999

1. Observations Analysis of light curvers of short period Eclipsing Stars

Alireza Aghaee - 1999