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Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı, Turkey 1992 - 1996

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı, Turkey 1989 - 1992

Undergraduate, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri Bölümü, Turkey 1985 - 1989

Undergraduate Double Major, Ege University, Faculty Of Science, Fizik Bölümü, Turkey 1985 - 1989

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, TV Cas ve XY UMa Örtün Çift Yıldızlarının Işıkkölçümü, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı / Astrofizik Bilim Dalı, 1996

Postgraduate, Güneş Parlamaları, Ege University, Fen Bilimleri Enstitüsü, Astronomi Ve Uzay Bilimleri Anabilim Dalı / Astrofizik Bilim Dalı, 1992

Research Areas

Physics, Astronomy and Astrophysics, Stars, Natural Sciences

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Fizik, 2007 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Fizik, 2002 - 2007

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Fizik, 1996 - 2002

Research Assistant, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri Bölümü, 1990 - 1996

Academic and Administrative Experience

Vice Rector, Canakkale Onsekiz Mart University, 2015 - 2019

Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, 2013 - 2015

Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, 2010 - 2013

Advising Theses

- ERDEM A., Bazı CAB Adayı Çift Yıldızların Fotometrik Analizi, Doctorate, D.SÜRGİT(Student), 2010
- ERDEM A., Güney Yarımkürede Seçilen Bazı W UMa Türü Çift Yıldızların Tayfsal ve Fotometrik İncelenmesi, Doctorate, B.ÖZKARDEŞ(Student), 2010
- ERDEM A., RS CVn Yıldızlarının Genel Özellikleri, Postgraduate, D.SÜRGİT(Student), 2005
- ERDEM A., W Ursae Majoris Türünden Güneş Benzeri Örten Çift Yıldızlar, Postgraduate, B.ÖZKARDEŞ(Student), 2004
- ERDEM A., Örten Çift Yıldızlarda Üçüncü Cisim Sorunu ve Dinamiği, Postgraduate, V.BAKIŞ(Student), 2004
- ERDEM A., RS CVn Türü Örten Çift Yıldız RT Andromedae'nin Yörünge Dönemi Analizi, Postgraduate, M.GÜRE(Student), 2000

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **First photometric study of two eclipsing binary star systems: V523 And and V543 And**
ÖZTÜRK O., Erdem A.
NEW ASTRONOMY, vol.92, 2022 (Journal Indexed in SCI)
- II. **The ultra-hot-Jupiter KELT-16 b*dynamical evolution and atmospheric properties**
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- III. **Absolute parameters of young stars: PU Pup**
ERDEM A., SÜRGİT D., Banks T. S., ÖZKARDEŞ B., Budding E.
RESEARCH IN ASTRONOMY AND ASTROPHYSICS, vol.21, no.10, 2021 (Journal Indexed in SCI)
- IV. **Physical parameters of close binary systems: VIII**
Gazeas K., Zola S., Liakos A., Zakrzewski B., Rucinski S. M., Kreiner J. M., Ogloza W., Drozd M., Koziel-Wierzbowska D., Stachowski G., et al.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.501, no.2, pp.2897-2919, 2021 (Journal Indexed in SCI)
- V. **New photometric analysis of hot Jupiter: WASP-135b**
ÖZTÜRK O., ERDEM A.
NEW ASTRONOMY, vol.82, 2021 (Journal Indexed in SCI)
- VI. **Absolute parameters of three southern eclipsing binaries: DQ Car, BK Ind, and V4396 Sgr**
SÜRGİT D., ERDEM A., Engelbrecht C. A., Marang F.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.493, no.2, pp.2659-2675, 2020 (Journal Indexed in SCI)
- VII. **Multiband optical flux density and polarization microvariability study of optically bright blazars**
Pasierb M., Goyal A., Ostrowski M., Stawarz L., Wiita P. J., Gopal-Krishna G., Larionov V. M., Morozova D. A., Itoh R., ALIÇAVUŞ F., et al.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.492, no.1, pp.1295-1317, 2020 (Journal Indexed in SCI)
- VIII. **Absolute parameters of young stars: HX Velorum**
Blackford M. G., Erdem A., Surgit D., Ozkardes B., Budding E., Butland R., Demircan O.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.487, no.1, pp.161-167, 2019 (Journal Indexed in SCI)
- IX. **New photometric analysis of five exoplanets: CoRoT-2b, HAT-P-12b, TrES-2b, WASP-12b, and WASP-52b**

Öztürk O., Erdem A.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.486, no.2, pp.2290-2307, 2019 (Journal Indexed in SCI)

- X. **SpUpNIC (Spectrograph Upgrade: Newly Improved Cassegrain): a versatile and efficient low- to medium-resolution, long-slit spectrograph on the South African Astronomical Observatory's 1.9-m telescope**
Crause L. A. , Gilbank D., van Gend C., Worters H. L. , Sass C., Kotze E. J. , Potter S., Sickafoose A., Sefako R., Southworth J., et al.
JOURNAL OF ASTRONOMICAL TELESCOPES INSTRUMENTS AND SYSTEMS, vol.5, no.2, 2019 (Journal Indexed in SCI)
- XI. **GD358: Three Decades of Observations for the In-depth Asteroseismology of a DBV Star**
BISCHOFF-KIM A., Provencal J. L. , BRADLEY P. A. , MONTGOMERY M. H. , Shipman H. L. , HARROLD S. T. , HOWARD B., STRICKLAND W., CHANDLER D., CAMPBELL D., et al.
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- XII. **Absolute parameters of young stars: V454 Carinae**
Butland R. J. , Erdem A., Ozkardes B., Blackford M. G. , Surgit D., Budding E., Demircan O.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.482, no.2, pp.2644-2652, 2019 (Journal Indexed in SCI)
- XIII. **Authenticating the Presence of a Relativistic Massive Black Hole Binary in OJ 287 Using Its General Relativity Centenary Flare: Improved Orbital Parameters**
Dey L., Valtonen M. J. , Gopakumar A., Zola S., Hudec R., Pihajoki P., Ciprini S., Matsumoto K., Sadakane K., Kidger M., et al.
ASTROPHYSICAL JOURNAL, vol.866, no.1, 2018 (Journal Indexed in SCI)
- XIV. **Stochastic Modeling of Multiwavelength Variability of the Classical BL Lac Object OJ287 on Timescales Ranging from Decades to Hours**
Goyal A., Stawarz L., Zola S., Marchenko V., Soida M., Nilsson K., Ciprini S., Baran A., Ostrowski M., Wiita P. J. , et al.
ASTROPHYSICAL JOURNAL, vol.863, no.2, 2018 (Journal Indexed in SCI)
- XV. **Photometric investigation of hot exoplanets: TrES-3b and Qatar-1b**
PÜSKÜLLÜ Ç., SOYDUGAN F., ERDEM A., BUDDING E.
NEW ASTRONOMY, vol.55, pp.39-47, 2017 (Journal Indexed in SCI)
- XVI. **Radio and optical intra-day variability observations of five blazars**
LIU X., YANG P. P. , LIU J., LIU B. R. , HU S. M. , KURTANIDZE O. M. , ZOLA S., KRAUS A., KRICHBAUM T. P. , SU R. Z. , et al.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.469, no.2, pp.2457-2463, 2017 (Journal Indexed in SCI)
- XVII. **Absolute parameters of detached binaries in the southern sky - III: HO Tel**
Surgit D., Erdem A., Engelbrecht C. A. , van Heerden H. P. , Manick R.
NEW ASTRONOMY, vol.54, pp.109-114, 2017 (Journal Indexed in SCI)
- XVIII. **Absolute parameters of eclipsing binaries in Southern Hemisphere sky - II: QY Tel**
Erdem A., Surgit D., Engelbrecht C. A. , van Heerden H. P. , Manick R.
NEW ASTRONOMY, vol.49, pp.38-42, 2016 (Journal Indexed in SCI)
- XIX. **Photometric study of two beta Lyr-type binaries: DD Aqr and RR Lep**
Erdem A., Ozturk O.
NEW ASTRONOMY, vol.48, pp.33-41, 2016 (Journal Indexed in SCI)
- XX. **Photometric analysis of the system Kepler-1**
BUDDING E., RHODES M. D. , PÜSKÜLLÜ Ç., Ji Y., ERDEM A., BANKS T.
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- XXI. **Oscillating classical Algol-type binary XZ Aql**
Soydugan F., Soydugan F., Aliçavuş F., Erdem A.
NEW ASTRONOMY, vol.46, pp.40-46, 2016 (Journal Indexed in SCI)
- XXII. **PRIMARY BLACK HOLE SPIN IN OJ 287 AS DETERMINED BY THE GENERAL RELATIVITY CENTENARY**

FLARE

Valtonen M. J. , Zola S., Ciprini S., Gopakumar A., Matsumoto K., Sadakane K., Kidger M., Gazeas K., Nilsson K., Berdyugin A., et al.

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XXIII. **Analysis of the exoplanet containing system Kepler-91**

Budding E., PÜSKÜLLÜ Ç., Rhodes M. D. , Demircan O., Erdem A.

ASTROPHYSICS AND SPACE SCIENCE, vol.361, no.1, 2016 (Journal Indexed in SCI)

XXIV. **Absolute Parameters of Detached Binaries in the Southern Sky - I: V349 Ara and V4403 Sgr**

ERDEM A., SÜRGİT D., ENGELBRECHT C. A. , VAN HEERDEN H. P.

PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF AUSTRALIA, vol.32, 2015 (Journal Indexed in SCI)

XXV. **Absolute parameters of southern eclipsing binary: MW Pup**

SÜRGİT D., ERDEM A., ENGELBRECHT C. A.

NEW ASTRONOMY, vol.35, pp.32-35, 2015 (Journal Indexed in SCI)

XXVI. **NR Peg: A new highly active semi-detached binary**

ERDEM A., SÜRGİT D., KURPINSKA-WINIARSKA M., OBLAK E.

NEW ASTRONOMY, vol.33, pp.38-43, 2014 (Journal Indexed in SCI)

XXVII. **Non-conservative mass transfers in Algols**

ERDEM A., ÖZTÜRK O.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.441, no.2, pp.1166-1176, 2014 (Journal Indexed in SCI)

XXVIII. **Neglected reverse Algol system: WZ Hor**

SÜRGİT D., ERDEM A.

NEW ASTRONOMY, vol.17, no.3, pp.336-340, 2012 (Journal Indexed in SCI)

XXIX. **Early-type W UMa contact binary system: New data on V535 Ara**

ÖZKARDEŞ B., Erdem A.

NEW ASTRONOMY, vol.17, no.2, pp.143-148, 2012 (Journal Indexed in SCI)

XXX. **The detached eclipsing binary TX Her revisited**

Erdem A., Aliçavuş F., Soyduğan F., Doğru S. S. , Soyduğan F., Çiçek C., Demircan O.

NEW ASTRONOMY, vol.16, no.8, pp.498-502, 2011 (Journal Indexed in SCI)

XXXI. **Period studies of classical Algol-type binaries II: UX Leo, RW Mon, EQ Ori, XZ UMa and AX Vul**

Soyduğan F., Erdem A., Doğru S. S. , Aliçavuş F., Soyduğan F., Çiçek C., Demircan O.

NEW ASTRONOMY, vol.16, pp.253-264, 2011 (Journal Indexed in SCI)

XXXII. **The near-contact binary star RZ Dra revisited**

ERDEM A., ZOLA S., WINIARSKI M.

NEW ASTRONOMY, vol.16, no.1, pp.6-11, 2011 (Journal Indexed in SCI)

XXXIII. **Period studies of five neglected Algol-type binaries: RW Cet, BO Gem, DG Lac, SW Oph and WY Per**

ERDEM A., Doğru S. S. , SOYDUGAN F., ÇİÇEK C., Demircan O.

NEW ASTRONOMY, vol.15, no.7, pp.628-636, 2010 (Journal Indexed in SCI)

XXXIV. **The Algol binary system KZ Pavonis revisited**

SÜRGİT D., ERDEM A., BUDDING E.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.407, no.1, pp.497-506, 2010 (Journal Indexed in SCI)

XXXV. **Absolute parameters of young stars - II. V831 Centauri**

BUDDING E., ERDEM A., Inlek G., DEMİRCAN O.

MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.403, no.3, pp.1448-1456, 2010 (Journal Indexed in SCI)

XXXVI. **Absolute parameters of the newly-identified contact binary star IS Canis Major**

ÖZKARDEŞ B., ERDEM A.

NEW ASTRONOMY, vol.15, no.2, pp.247-253, 2010 (Journal Indexed in SCI)

XXXVII. **The CCD photometric study of the newly identified RS CVn binary star V1034 Hercules**

Doğru D., ERDEM A., DOĞRU S. S.

- NEW ASTRONOMY, vol.14, no.8, pp.711-715, 2009 (Journal Indexed in SCI)
- XXXVIII. **The chromospherically active binary CF Tuc revisited**
Dogru D., ERDEM A., DOĞRU S. S. , ZOLA S.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.397, no.3, pp.1647-1660, 2009 (Journal Indexed in SCI)
- XXXIX. **The 2006/2007 photometric activity of three chromospherically active stars: V2075 Cyg, FG UMa and BM CVn**
ERDEM A., BUDDING E., SOYDUGAN F., BAKIS H., Dogru D., DOĞRU S. S. , TÜYSÜZ M., Kacar Y., DÖNMEZ A., SOYDUGAN F.
NEW ASTRONOMY, vol.14, no.6, pp.545-555, 2009 (Journal Indexed in SCI)
- XL. **A W UMa type system from Southern Hemisphere: CN Hydri**
ÖZKARDEŞ B., ERDEM A., BAKIS V.
NEW ASTRONOMY, vol.14, no.5, pp.461-466, 2009 (Journal Indexed in SCI)
- XLI. **Recent observations of AB Dor and interpretation**
BUDDING E., ERDEM A., INNIS J. L. , OLAH K., SLEE O. B.
ASTRONOMISCHE NACHRICHTEN, vol.330, no.4, pp.358-365, 2009 (Journal Indexed in SCI)
- XLII. **Photometric analysis of the contact binary star V842 Hercules on the basis of seasonal light curves**
ERDEM A., ÖZKARDEŞ B.
NEW ASTRONOMY, vol.14, no.3, pp.321-329, 2009 (Journal Indexed in SCI)
- XLIII. **Photometry of three chromospherically active stars: V340 Gem, SAO 62042 and FI Cnc**
ERDEM A., BUDDING E., SOYDUGAN F., SOYDUGAN F., DOĞRU S. S. , Dogru D., Tueysuez M., Doenmez A., BAKIS H., Kacar Y., et al.
NEW ASTRONOMY, vol.14, no.2, pp.109-120, 2009 (Journal Indexed in SCI)
- XLIV. **Results of WEBT, VLBA and RXTE monitoring of 3C 279 during 2006-2007**
LARIONOV V. M. , JORSTAD S. G. , Marscher A. P. , RAITERI C. M. , VILLATA M., AGUDO I., ALLER M. F. , ARKHAROV A. A. , ASFANDIYAROV I. M. , BACH U., et al.
ASTRONOMY & ASTROPHYSICS, vol.492, no.2, pp.389-400, 2008 (Journal Indexed in SCI)
- XLV. **A catalogue of chromospherically active binary stars (third edition)**
Eker Z., FİLİZ AK N., BİLİR S., Dogru D., Tueysuez M., SOYDUGAN F., Bakış H., Uğraş B., SOYDUGAN F., ERDEM A., et al.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.389, no.4, pp.1722-1726, 2008 (Journal Indexed in SCI)
- XLVI. **First period analyses of five neglected Algol-type eclipsing binaries: TT And, V342 Aql, RW Cap, BZ Cas and TW Lac**
Erdem A., SOYDUGAN F., Dogru S. S. , Oezkardes B., Dogru D., Tueysuez A., Demircan O.
NEW ASTRONOMY, vol.12, no.8, pp.613-621, 2007 (Journal Indexed in SCI)
- XLVII. **Orbital period variations of four Algol-type eclipsing binaries: SW Cyg, UU Leo, XX Cep and BO Vul**
Erdem A., Dogru S. S. , BAKIS V., Demircan O.
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- XLVIII. **The first BVR light curves and period analysis of the eclipsing binary V821 Cas**
Degirmenci O. L. , Bozkurt Z., Yakut K., Demircan O., Erdem A., ÇİÇEK C., Bulut I., SOYDUGAN F., SOYDUGAN F., ESENOĞLU H. H.
NEW ASTRONOMY, vol.12, no.4, pp.322-326, 2007 (Journal Indexed in SCI)
- XLIX. **Photometric analysis of the contact binary star V829 Hercules using light curves on three consecutive years**
Erdem A., Ozkardes B.
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- L. **Analysis of delta Librae including Hipparcos astrometry**
BAKIS V., BUDDING E., Erdem A., BAKIS H., Demircan O., HADRAVA P.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.370, no.4, pp.1935-1945, 2006 (Journal Indexed in SCI)

- LI. **First ground-based photometry and light-curve analysis of the eccentric eclipsing binary V744 Cas**
Bulut I., ÇİÇEK C., Erdem A., BAKIS V., Demircan O., DEGIRMENCI O. L.
ASTRONOMISCHE NACHRICHTEN, vol.327, no.9, pp.912-916, 2006 (Journal Indexed in SCI)
- LII. **Photometric study of the active binary star V1430 Aquilae**
ERDEM A., Surgit D.
ASTRONOMISCHE NACHRICHTEN, vol.327, no.4, pp.335-339, 2006 (Journal Indexed in SCI)
- LIII. **Photometric study of the binary system V397 cephei**
Bulut I., Demircan O., Budding E., Erdem A., ÇİÇEK C., ESENOĞLU H. H. , SOYDUGAN F., SOYDUGAN F., Değirmenci Ö. L. , Bozkurt Z., et al.
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- LIV. **A near-contact binary: CN Andromedae**
ÇİÇEK C., Erdem A., SOYDUGAN F.
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- LV. **The close binary system EG cephei**
Erdem A., BUDDING E., Demircan O., DEGIRMENCI O., GULMEN O., SEZER C.
ASTRONOMISCHE NACHRICHTEN, vol.326, no.5, pp.332-337, 2005 (Journal Indexed in SCI)
- LVI. **A new photometric study of CW Cephei and its apsidal motion**
Erdem A., SOYDUGAN F., SOYDUGAN F., Özdemir S., ÇİÇEK C., Bulut I., Demircan O., Budding E.
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- LVII. **Photometric solution of the eclipsing binary system EF Bootis**
OZDEMIR S., Demircan O., ÇİÇEK C., Erdem A.
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- LVIII. **A photometric study of the recently discovered eclipsing binary V899 Herculis**
Özdemir S., Demircan O., Erdem A., Çiçek C., Bulut İ., SOYDUGAN F., SOYDUGAN F.
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- LIX. **Third body problem in the eclipsing binary star TV Cassiopeia**
Erdem A.
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- LX. **The light and period changes of RT Andromedae**
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- LXI. **A photometric study of the near contact binary star GK Cep**
Erdem A.
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- LXII. **Photometric analysis of the eclipsing binary star AI Draconis**
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- LXIII. **The early type contact binary system V 382 Cygni**
DEGIRMENCI O., SEZER C., Demircan O., Erdem A., OZDEMIR S., AK H., ALBAYRAK B.
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- LXIV. **The orbital period study and photometric analysis of XY Ursae Majoris**
Erdem A., GUDUR N.
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- LXV. **A model of the early type binary system BF Aurigae**
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- LXVI. **Photometric analysis of the eclipsing binary V1425 Cygni**
DEGIRMENCI O., GULMEN O., SEZER C., GUDUR N., Erdem A.
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Articles Published in Other Journals

- I. **PHOTOMETRIC AND SPECTROSCOPIC STUDY OF PU PUP**
Budding E., Erdem A., Sürgit D., Özkardeş B., Demircan O.
Journal on Occultation and Eclipse (JOE), pp.40-45, 2019 (Refereed Journals of Other Institutions)
- II. **Polarization and Spectral Energy Distribution in OJ 287 during the 2016/17 Outbursts**
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- III. **A Search for QPOs in the Blazar OJ287: Preliminary Results from the 2015/2016 Observing Campaign**
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- IV. **Period Study of V1095 Her and V1101 Her**
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ÇANAKKALE ONSEKİZ MART ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.2, no.1, pp.68-83, 2016 (National Refreed University Journal)
- V. **Period Changes in Two Contact Binaries AH Tau and FZ Ori**
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- VI. **Light Time Effect and Apsidal Motion of Two Eclipsing Binaries AO Vel and CW Cep**
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- VII. **CCD times of minima of some eclipsing variables**
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