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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), Türkiye 2010 - 2014

Yüksek Lisans, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Türkiye 2006 - 2010

Lisans, Tokat Gaziosmanpaşa Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Türkiye 2002 - 2006

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, İkinci ve üçüncü virial katsayılarının farklı potansiyeller için hesaplanması ve bazı moleküllere uygulamaları, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (Dr), 2014

Yüksek Lisans, Gramm-Schmidt yöntemi kullanılarak Slater tipi atom orbitallerinin ortanormalleştirilmesi, Tokat Gaziosmanpaşa Üniversitesi, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 2010

Araştırma Alanları

Fizik

Akademik Unvanlar / Görevler

Doç. Dr., Uşak Üniversitesi, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ, 2022 - Devam Ediyor

Uşak Üniversitesi, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ, TIBBİ HİZMETLER VE TEKNİKLER BÖLÜMÜ, 2021 - Devam Ediyor

Akademik İdari Deneyim

Uşak Üniversitesi, 2021 - Devam Ediyor

Uşak Üniversitesi, 2021 - Devam Ediyor

Verdiği Dersler

KALİTE YÖNETİM SİSTEMLERİ, Ön Lisans, 2022 - 2023
TOPLUMA HİZMET UYGULAMALARI, Ön Lisans, 2022 - 2023
Göz Anatomisi ve Fizyolojisi, Ön Lisans, 2022 - 2023, 2021 - 2022
Kariyer Planlama, Ön Lisans, 2022 - 2023
OPTİSYENLİK UYGULAMALARI-III, Ön Lisans, 2022 - 2023
Optisyenlik Uygulamaları II, Ön Lisans, 2022 - 2023
Fizik, Ön Lisans, 2021 - 2022
Optisyenlik Uygulamaları I, Ön Lisans, 2021 - 2022

Yönetilen Tezler

ELİF S., Debye yaklaşımına göre yarıiletkenlerin termodinamik özelliklerinin hesaplanması ve bazı reel sistemlere uygulanması, Yüksek Lisans, A.SEVİNDİK(Öğrenci), 2022
ELİF S., Güneş pili yapımında kullanılan Si, GaAs, CdTe gibi anorganik yarı iletken malzemelerin ısı kapasitelerinin sıcaklığa göre değişiminin debye yaklaşımına göre incelenmesi, Yüksek Lisans, A.BULUT(Öğrenci), 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A general approximation method for accurate evaluation of the intermolecular potential parameters by using density functional theory**
Mamedov B. A., SOMUNCU E., Karatas E.
Kuwait Journal of Science, cilt.51, sa.1, 2024 (SCI-Expanded)
- II. **Theoretical determination of speed of sound and fourth virial coefficient by using Kihara (12-6) potential**
SOMUNCU E., Mamedov B. A.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, cilt.78, sa.10, ss.975-982, 2023 (SCI-Expanded)
- III. **Accurate Analytical Evaluation of Fugacity Coefficient of Gases**
SOMUNCU E., Mamedov B.
Russian Journal of Physical Chemistry A, cilt.97, sa.5, ss.878-882, 2023 (SCI-Expanded)
- IV. **Analysis of the second virial coefficient, and application to rare gas mixtures**
SOMUNCU E., Mamedov B. A.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, cilt.77, sa.4, ss.403-408, 2022 (SCI-Expanded)
- V. **Evaluation of specific heat capacity and speed of sound of fluids by using the quantum correction to second virial coefficient with Kihara potential**
SOMUNCU E., Mamedov B. A.
European Physical Journal Plus, cilt.137, sa.3, 2022 (SCI-Expanded)
- VI. **Derivation of analytical expressions for optical gain coefficient in bulk semiconductors**
SOMUNCU E.
Journal of Optoelectronics and Advanced Materials, cilt.23, sa.9-10, ss.457-462, 2021 (SCI-Expanded)
- VII. **Boyle temperature and boyle volume of refrigeration gases**
Mamedov B., Somuncu E.
Journal of Thermophysics and Heat Transfer, cilt.34, sa.3, ss.601-604, 2020 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Accurate Assessment of Joule-Thomson Inversion Temperature at Zero Pressure of Imperfect Gases**

MEHMETOĞLU B., SOMUNCU E.

Current Physical Chemistry, cilt.11, sa.3, ss.179-183, 2021 (Hakemli Dergi)

II. Ab Initio Study on Optimization of Bisphenol A and Phosgene to Manufacture Polycarbonate

MEHMETOĞLU B., SOMUNCU E., Karatas E.

JOURNAL OF SCIENCE AND ARTS, cilt.20, sa.4, ss.995-998, 2020 (ESCI)

III. Analytical Evaluation of Second Virial Coefficient Using Sutherland Potential and Its Application to Real Gases

SOMUNCU E.

Afyon Kocatepe University Journal of Sciences and Engineering, cilt.18, sa.1, ss.83-89, 2018 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. Numerical Calculation Second Virial Coefficient over HFDHE2 Potential

SOMUNCU E., MEHMETOĞLU B.

3rd International Conference on Frontiers in Academic Research, Konya, Türkiye, 15 - 16 Haziran 2024

II. Calculation of Using Third Virial Coefficient over Hard-Core-Lennard- Jones Potential

SOMUNCU E., MEHMETOĞLU B.

3rd International Conference on Frontiers in Academic Research, Konya, Türkiye, 15 - 16 Haziran 2024

III. Numerical Analysis of Second Virial Coefficient over Sposito Potential

SOMUNCU E., MEHMETOĞLU B.

3rd International Conference on Engineering, Natural and Social Sciences ICENSOS 2024, Türkiye, 16 - 17 Mayıs 2024

IV. Numerical Evaluation of Third Virial Coefficient with Morse Potential

SOMUNCU E., MEHMETOĞLU B.

3rd International Conference on Engineering, Natural and Social Sciences ICENSOS 2024, Türkiye, 16 - 17 Mayıs 2024

V. Theoretical evaluation of thermal conductivity and its application of BaUO3

GÖKBULUT M., SOMUNCU E.

3rd International Conference on Innovative Academic Studies, Türkiye, 26 - 28 Eylül 2023

VI. Orthonormalizations of the Slater-type atom orbitals n 6 from to 7 using the Gramm-Schmidt method

MEHMETOĞLU B., SOMUNCU E.

3rd International Conference on Innovative Academic Studies, Türkiye, 26 - 28 Eylül 2023

VII. CALCULATION of JOULE THOMSON INVERSION TEMPERATURE using SECOND VIRIAL COEFFICIENT with STOCKMAYER POTENTIAL

SOMUNCU E., MEHMETOĞLU B.

2. ÇANKAYA INTERNATIONAL CONGRESS OF SCIENTIFIC RESEARCH, Ankara, Türkiye, 28 - 29 Eylül 2023

VIII. NUMERICAL EVALUATION of SECOND VIRIAL COEFFICIENT with KEESOM POTENTIAL

SOMUNCU E., MEHMETOĞLU B.

2. ÇANKAYA INTERNATIONAL CONGRESS OF SCIENTIFIC RESEARCH, Ankara, Türkiye, 28 - 29 Eylül 2023

IX. CALCULATION of FUGACITY COEFFICIENT using SECOND VIRIAL COEFFICIENT with STOCKMAYER POTENTIAL

SOMUNCU E., MEHMETOĞLU B.

1st International Conference on Modern and Advanced Research, Konya, Türkiye, 29 - 31 Temmuz 2023

X. CALCULATION of COMPRESSIBILITY COEFFICIENT using THIRD VIRIAL COEFFICIENT over KIHARA POTENTIAL

SOMUNCU E., MEHMETOĞLU B.

1st International Conference on Modern and Advanced Research, Konya, Türkiye, 29 - 31 Temmuz 2023

XI. Calculation of Second Virial Coefficient of DNA

MEHMETOĞLU B., SOMUNCU E., Karatas E.

ICAENS 2023 CONFERENCE, Türkiye, 10 Temmuz 2023

- XII. **Calculation of the Second Virial Coefficient of The TMGa Molecule**
MEHMETOĞLU B., Karatas E., SOMUNCU E.
ICAENS 2023 CONFERENCE, Türkiye, 10 Temmuz 2023
- XIII. **CALCULATION SPECIFIC HEAT CAPACITY OF SI AND CUINSE 2 SOLAR CELL MATERIALS**
ASKEROĞLU İ., SOMUNCU E., BULUT A.
9. Internatinal Congress on Innovative Scientific Approaches, Samsun, Türkiye, 17 Mayıs 2023
- XIV. **Theoretical Calculation of Lennard-Jones (12-6-4) Intermolecular Interaction Energy for TSPP**
SOMUNCU E., MEHMETOĞLU B.
4th International Conference on Applied Engineering and Natural Sciences, Konya, Türkiye, 10 Kasım 2022
- XV. **A Calculation of the Speed of Sound by using ab Initio Method for the TMGa**
MEHMETOĞLU B., SOMUNCU E., Karatas E.
1st International Conference on Innovative Academic Studies, Konya, Türkiye, 10 Eylül 2022
- XVI. **NUMERIC ANALYSIS OF SPEED OF SOUND USING FOURTH VIRIAL COEFFICIENT AND ITS APPLICATION TO MOLECULE**
SOMUNCU E., MEHMETOĞLU B.
ATLAS INTERNATIONAL CONFERENCE ON RESEARCH IN APPLIED SCIENCES, Barcelona, İspanya, 9 - 10 Temmuz 2022
- XVII. **Calculation of Thermal Conductivity of Materials using Einstein-Debye Method**
SOMUNCU E.
3rd International Conference on Applied Engineering and Natural Sciences, Konya, Türkiye, 22 Temmuz 2022
- XVIII. **THEORETICAL ANALYSIS OF SECOND VIRIAL COEFFICIENT OF CARBON DIOXIDE-WATER MIXTURES**
SOMUNCU E., MEHMETOĞLU B.
EJONS 14th INTERNATIONAL CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES, Paris, Fransa, 06 Temmuz 2022
- XIX. **Numerical Analysis of Moments of Collision-Induced Scattering with Exp-6 Potential**
SOMUNCU E.
3rd International Conference on Applied Engineering and Natural Sciences, Konya, Türkiye, 22 Temmuz 2022
- XX. **NUMERIC CALCULATION OF FOURTH VIRIAL COEFFICIENT WITH KIHARA POTENTIAL**
SOMUNCU E., MEHMETOĞLU B.
EJONS 14th INTERNATIONAL CONFERENCE ON MATHEMATICS, ENGINEERING, NATURAL & MEDICAL SCIENCES, Paris, Fransa, 06 Temmuz 2022
- XXI. **NUMERIC CALCULATION OF THIRD VIRIAL COEFFICIENT OF GAS MIXTURES**
SOMUNCU E., MEHMETOĞLU B.
ATLAS INTERNATIONAL CONFERENCE ON RESEARCH IN APPLIED SCIENCES, Barcelona, İspanya, 9 - 10 Temmuz 2022
- XXII. **Calculation of Heat Capacity of Gas N2 using Third Virial Coefficient**
MEHMETOĞLU B., SOMUNCU E.
3. International Baku Scientific Researches Conference, Baku, Azerbaycan, 15 - 16 Ekim 2021
- XXIII. **Analytical Calculation of Specific Heat Capacities of Transition Metals in Tungsten**
SOMUNCU E., GÖKBULUT M.
1st International Conference of Physics, Ankara, Türkiye, 17 Ağustos 2021
- XXIV. **Numerical Calculation of Moments of Collision-Induced Scattering with Morse Potential**
GÖKBULUT M., SOMUNCU E.
1st International Conference of Physics, Ankara, Türkiye, 17 Ağustos 2021
- XXV. **Theoretical Calculation of Specific Heat Capacity of Tungsten-Technetium Alloy**
GÖKBULUT M., SOMUNCU E.
Ejons 12 th International Congress on Mathematic Engineering and Natural Sciences, Paris, Fransa, 9 - 11 Temmuz 2021
- XXVI. **Calculation of Compressibility Coefficient with Fourth Virial Coefficient**
SOMUNCU E., MEHMETOĞLU B.
5. Asia Pacific International Congress on Contemporary Studies, Sydney, Avustralya, 16 - 18 Temmuz 2021

- XXVII. **Calculation of speed of sound of n-pentane using third virial coefficient with Kihara potential**
SOMUNCU E., MEHMETOĞLU B.
International Asian Congress on Contemporary Sciences-V, Nakhchivan, Azerbaycan, 1 - 02 Haziran 2021
- XXVIII. **Calculation of Fugacity Coefficient of Some Real Gases using Fourth Virial Coefficient**
MEHMETOĞLU B., SOMUNCU E.
International Asian Congress on Contemporary Sciences-V, Nakhchivan, Azerbaycan, 1 - 02 Haziran 2021
- XXIX. **Optimization of Phosgene Using Ab Initio Basis Set**
SOMUNCU E., Karatas E., Gokbulut M.
8. Uluslararası Bilimsel Araştırma Kongresi (UBAK), Çorum, Türkiye, 22 - 23 Ağustos 2020
- XXX. **Calculation of the Heat Capacity of Silver Chloride which is used in the Manufacture of Photochromic Lenses**
SOMUNCU E., Karatas E., Gokbulut M.
8. Uluslararası Bilimsel Araştırma Kongresi (UBAK), Çorum, Türkiye, 22 - 23 Ağustos 2020
- XXXI. **OPTIMIZATION OF GA(CH₃)₃ GASES USING AB INITIO BASIS SET**
MEHMETOĞLU B., Karatas E., SOMUNCU E.
IX. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL & TECHNICAL SCIENCES, Gaziantep, Türkiye, 7 - 08 Şubat 2020
- XXXII. **CALCULATION OF LENNARD-JONES (12-6) INTERACTION ENERGY FOR F₂-F₂ SYSTEM**
SOMUNCU E., Karatas E.
IX. UMTEB INTERNATIONAL CONGRESS ON VOCATIONAL & TECHNICAL SCIENCES, Gaziantep, Türkiye, 7 - 08 Şubat 2020
- XXXIII. **Performance analysis of second virial coefficient with Sutherland potential: VIII. an analytical evaluation of fugacity coefficient of gases**
SOMUNCU E., ASKEROĞLU İ.
2 nd International Turkish Word Engineering and Science Congress, Antalya, Türkiye, 7 - 10 Kasım 2019
- XXXIV. **Performance analysis of second virial coefficient with Sutherland potential: X. an analytical evaluation of Joule-Thomson inversion temperature of gases**
MEHMETOĞLU B., SOMUNCU E.
2 nd International Turkish Word Engineering and Science Congress, Antalya, Türkiye, 7 - 10 Kasım 2019
- XXXV. **Performance analysis of second virial coefficient with Sutherland potential: VI. an analytical evaluation of enthalpy of gases**
SOMUNCU E., ASKEROĞLU İ., MEHMETOĞLU B.
V. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB-V), Kahire, Mısır, 24 - 27 Ocak 2019
- XXXVI. **Calculation of Lennard-Jones (12-6-4) potential interaction energy for Tetra Sodium Meso-Tetrakis (P Sulphonatophenly) Porphyrin**
MEHMETOĞLU B., SOMUNCU E., ÇAÇAN A. H.
Turkish Physical Society 35. International Physics Congress, Muğla, Türkiye, 4 - 08 Eylül 2019
- XXXVII. **Theoretical determination of the energy and the wave functions for Klein Gordon Equation with Yukawa potential**
GÖKBULUT M., SOMUNCU E.
Turkish Physical Society 35. International Physics Congress, Muğla, Türkiye, 4 - 08 Eylül 2019
- XXXVIII. **Theoretical evaluation of moments of the two-body collision induced scattering distribution of gases with Lennard-Jones (2n-n) potential**
SOMUNCU E., GÖKBULUT M.
Turkish Physical Society 35. International Physics Congress, Muğla, Türkiye, 4 - 08 Eylül 2019
- XXXIX. **Performance analysis of second virial coefficient with Sutherland potential: IX. an analytical evaluation of Joule-Thomson coefficient of gases**
MEHMETOĞLU B., SOMUNCU E., ASKEROĞLU İ.
Uluslararası 19 Mayıs Multidisipliner Çalışmalar Kongresi, Samsun, Türkiye, 17 - 19 Mayıs 2019
- XL. **Performance analysis of second virial coefficient with Sutherland potential: VII. an analytical evaluation of compressibility coefficient**

SOMUNCU E., ASKEROĞLU İ., EMEK M.

Uluslararası 19 Mayıs Multidisipliner Çalışmalar Kongresi, Samsun, Türkiye, 17 - 19 Mayıs 2019

- XLII. **Performance analysis of second virial coefficient with Sutherland potential: VII. an analytical evaluation of compressibility coefficient of gases**
SOMUNCU E., ASKEROĞLU İ., EMEK M.
Uluslararası 19 Mayıs Multidisipliner Çalışmalar Kongresi, Samsun, Türkiye, 17 - 19 Mayıs 2019
- XLIII. **Performance analysis of second virial coefficient with Sutherland potential: V. an analytical evaluation of internal energy of gases**
ASKEROĞLU İ., SOMUNCU E., MEHMETOĞLU B.
V. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB-V), Kahire, Mısır, 24 - 27 Ocak 2019
- XLIV. **Virial Equation of State and its Application in Study of Thermodynamic Properties of Gases and Fluids**
ASKEROĞLU İ., SOMUNCU E., EMEK M.
V. Uluslararası Mesleki ve Teknik Bilimler Kongresi (UMTEB-V), Kahire, Mısır, 24 - 27 Ocak 2019
- XLV. **Performance analysis of second virial coefficient with Sutherland potential: III . An analytical evaluation of Gibbs energy of gases**
ASKEROĞLU İ., MEHMETOĞLU B., SOMUNCU E.
5. Ejons International Journal On Mathematics, Engineering & Natural Sciences, Gaziantep, Türkiye, 22 - 25 Kasım 2018
- XLVI. **Performance analysis of second virial coefficient with Sutherland potential: IV . An analytical evaluation of entropy of gases**
MEHMETOĞLU B., SOMUNCU E., ASKEROĞLU İ.
5. Ejons International Journal On Mathematics, Engineering Natural Sciences, Gaziantep, Türkiye, 22 - 25 Kasım 2018
- XLVII. **Analytical evaluation of speed of sound by using second virial coefficient with Morse-Morse-Spline-Van Der Waals (MMSV) potential**
MEHMETOĞLU B., SOMUNCU E.
2. Uluslararası İpekyolu Akademik Çalışmalar Sempozyumu, Nevşehir, Türkiye, 20 - 22 Eylül 2018
- XLVIII. **A calculation procedure for quantum correction to second virial coefficient with Rice and Hirschfelder modified Buckingham (Exp-6) potential**
SOMUNCU E., MEHMETOĞLU B.
2. Uluslararası İpekyolu Akademik Çalışmalar Sempozyumu, Nevşehir, Türkiye, 20 - 22 Eylül 2018
- XLIX. **Calculation of Specific Heat Capacities for R-134a Using Second Virial Coefficient**
SOMUNCU E., ASKEROĞLU İ.
UMTEB 3. International Congress on Vocational and Technical Sciences, Gaziantep, Türkiye, 21 - 22 Haziran 2018
- L. **Evaluation of Joule-Thomson coefficient of Refrigeration Gases Using Second Virial Coefficient**
ASKEROĞLU İ., SOMUNCU E.
UMTEB 3. Uluslararası Mesleki ve Teknik Bilimler Kongresi, Gaziantep, Türkiye, 21 - 22 Haziran 2018
- LI. **Evaluation of Relative Permittivity Using Second Virial Coefficients**
ASKEROĞLU İ., SOMUNCU E.
EJONS International Congress on Mathematic, Engineering and Natural Science-III, Mardin, Türkiye, 21 - 22 Nisan 2018
- LII. **Calculation of Second and Third Virial Coefficients for Some Alternative Fuels**
SOMUNCU E., ASKEROĞLU İ.
EJONS International Congress on Mathematic, Engineering and Natural Science-III, Mardin, Türkiye, 21 - 22 Nisan 2018
- LIII. **Calculation of Second Virial Coefficient of UF₆ Using Lennard-Jones (12-6) and Morse-Morse-Spline-Van der Waals Potentials**
SOMUNCU E., ASKEROĞLU İ., MEHMETOĞLU T.
1 st International Turkish Word Engineering and Science Congress, Antalya, Türkiye, 7 - 10 Aralık 2017
- LIIII. **Calculation of Third Virial Coefficient of UF₄, UF₅ and UF₆ Using Lennard-Jones (12-6) Potential**

SOMUNCU E., MEHMETOĞLU B., ASKEROĞLU İ.

1 st International Turkish Word Engineering and Science Congress, Antalya, Türkiye, 07 Aralık 0017 - 10 Aralık 2017

LIV. Theoretical study of third virial coefficient with Kihara potential

SOMUNCU E., MEHMETOĞLU B., ASKEROĞLU İ.

Turkish Physical Society 33. International Physics Congress, Bodrum, Türkiye, 6 - 10 Eylül 2017

LV. Accurate assessment of Joule-Thomson inversion temperature at zero pressure by using second virial coefficient

MEHMETOĞLU B., SOMUNCU E., ASKEROĞLU İ.

Turkish Physical Society 33rd International Physics Congress, Bodrum, Türkiye, 6 - 10 Eylül 2017

LVI. On The Evaluation of Cold and Hot Plasma Energies

MEHMETOĞLU B., ÇOPUROĞLU E., SOMUNCU E.

3 rd International Conference on Science, Ecology and Technology, Rome, İtalya, 14 - 16 Ağustos 2017

LVII. Analytical Evaluation of the Uehling Potential Using Binomial Expansion Theorems

ÇOPUROĞLU E., MEHMETOĞLU B., SOMUNCU E.

International Workshop on Mathematical Methods in Engineering, Ankara, Türkiye, 27 - 29 Nisan 2017

LVIII. Quantum Corrections to Second Virial Coefficient with Lennard-Jones (12-6) Potential

MEHMETOĞLU B., SOMUNCU E., ÇOPUROĞLU E.

International Workshop on Mathematical Methods in Engineering, Ankara, Türkiye, 27 - 29 Nisan 2017

LIX. Calculation of Compressibility Factor of Gases by using Second Virial Coefficient

MEHMETOĞLU B., SOMUNCU E., ASKEROĞLU İ.

2nd International Conference on Advances in Natural and Applied Sciences, Antalya, Türkiye, 18 - 21 Mart 2017

LX. Theoretical calculation of heat capacity by using third virial coefficient

MEHMETOĞLU B., SOMUNCU E.

Turkish Physical Society 32nd International Physics Congress, Bodrum, Turkey, Türkiye, 6 - 09 Eylül 2016, cilt.1815

LXI. Theoretical calculation of Joule-Thomson coefficient by using third virial coefficient

MEHMETOĞLU B., SOMUNCU E., ASKEROĞLU İ.

Turkish Physical Society 32nd International Physics Congress, Bodrum, Turkey, Türkiye, 6 - 09 Eylül 2016, cilt.1815

LXII. Evaluation of Quantum Corrections to Second Virial Coefficient with Lennard-Jones (12-6)

MEHMETOĞLU B., SOMUNCU E.

International Conference on Quantum Science and Applications (ICQSA-2016), Eskişehir, Türkiye, 25 - 27 Mayıs 2016, cilt.766, ss.12010

LXIII. An efficient method for the determination of fourth virial coefficient with Lennard-Jones (12-6) potential and its application

MEHMETOĞLU B., SOMUNCU E., ASKEROĞLU İ.

International Conference on Analysis and Applied Mathematics (ICAAM), Almaty, Kazakhstan, Kazakistan, 7 - 10 Eylül 2016

LXIV. Mathematical Modeling in the Evaluation of Second Virial Coefficient with Sutherland Potential and Its Applications

MEHMETOĞLU B., SOMUNCU E.

International Conferences on Mathematics and Mathematics Education (ICMME), Elazığ, Türkiye, 12 - 14 Mayıs 2016

LXV. Calculation of Heat Capacity Ratios of Uranium Hexafluoride Using Second Virial Coefficient

MEHMETOĞLU B., SOMUNCU E.

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2016), Hatay, Türkiye, 28 - 30 Nisan 2016

LXVI. Calculation of Internal Energy Entropy and Enthalpy of Uranium Hexafluoride Using Second Virial Coefficient

MEHMETOĞLU B., SOMUNCU E.

International Workshop on Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT-2016), Hatay, Türkiye, 28 - 30 Nisan 2016

- LXVII. **Analytical evaluation of third virial coefficient with Lennard-Jones (12-6) potential its applications**
MEHMETOĞLU B., SOMUNCU E.
International Conference on Advances in Natural and Applied Sciences (ICANAS-2016), Antalya, Türkiye, 21 Nisan 2016 - 23 Nisan 2019
- LXVIII. **Calculation of the Zero-Pressure Joule-Thomson Coefficient for Some Non-Polar Molecules**
MEHMETOĞLU B., SOMUNCU E., Can M.
9th International Physics Conference of the Balkan Physical Union (BPU-9), İstanbul, Türkiye, 24 - 27 Ağustos 2015
- LXIX. **Calculation of Second Virial Coefficient Using Stockmayer Potential for Molecules CH₃OH, CCl₂F₂, CH₂F₂ and CH₃OCH₃**
SOMUNCU E., ASKEROĞLU İ., MEHMETOĞLU B.
9th International Physics Conference of the Balkan Physical Union (BPU-9), İstanbul, Türkiye, 24 - 27 Ağustos 2015
- LXX. **Calculation of Second Virial Coefficient of UF₆ Using Exp-6 and Lennard-Jones (12-6) Potentials**
MEHMETOĞLU B., SOMUNCU E.
Theoretical and Experimental Studies in Nuclear Applications and Technology (TESNAT), Osmaniye, Türkiye, 23 - 26 Nisan 2015
- LXXI. **Analytical Evaluation Of The Static Effective Dielectric Permittivity And Effective Dust Charge Using The Tsytovich-Angelis Dust-Dust Collision Functions**
SOMUNCU E., Dardem S. C., Özen D.
Turkish Physical Society 31. International Physics Conference, 21 - 24 Temmuz 2014
- LXXII. **Analytical Evaluation of Virial Coefficients Using Modified Buckingham Potential and Its Application**
SOMUNCU E., MEHMETOĞLU B.
Turkish Physical Society 31st. International Physics Conference, İstanbul, Türkiye, 21 - 24 Temmuz 2014
- LXXIII. **Use of Binomial Expansion Theorem in Accurate Evaluations of Tsytovich- Angelis Dust-Dust Plasma Collision Functions**
MEHMETOĞLU B., SOMUNCU E., ÇOPUROĞLU E.
I. International Middle East Plasma Science Conference, Antalya, Türkiye, 21 - 25 Nisan 2014
- LXXIV. **İkinci Virial Katsayısının Lennard-Jones Potansiyeli İçin Hesaplanması ve Bazı Atom ve Moleküllere Uygulanması**
MEHMETOĞLU B., SOMUNCU E.
Turkish Physical Society 30. International Physics Conference, İstanbul, Türkiye, 2 - 05 Eylül 2013
- LXXV. **Calculation of Entropy Using Third Virial Coefficient with Kihara Potential**
MEHMETOĞLU B., SOMUNCU E.
5. Asia Pacific International Congress on Contemporary Studies, Sydney, Avustralya, 16 - 18 Temmuz 2021
- LXXVI. **Calculation of Two-Center Nuclear Attraction Integrals of Slater Type Orbitals with Noninteger Principal Quantum Numbers Using Guseinov's One-Center Expansion Formulas and Löwdin- Radial Function**
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