

## INDEX OF AUTHORS

<i>Agekian T. A., Petrovskaya I. V., Fessenko B. I.</i> The determination of variation of the Galaxy rotation velocity at $z$ -direction from the neutral hydrogen line profiles . . . . .	373
<i>Ambartsumian V. A., Sahakian G. S.</i> On the mass-defect of the baryonic stars . . . . .	7
<i>Ambartsumian V. A.</i> A note on the frequency of supernovae . . . . .	473
<i>Arakellian S. N.</i> (see <i>Markarian B. E.</i> ) . . . . .	38
<i>Aslanian A. M.</i> (see <i>Sanamian V. A.</i> ) . . . . .	247
<i>Bartaya R. A.</i> (see <i>Kharadze E. K.</i> ) . . . . .	405
<i>Boyarchuk A. A.</i> (see <i>Mustel E. R.</i> ) . . . . .	337
<i>Chubarian E. V., Mnatsakanian M. A.</i> On a method of approximate computation of superdense configurations . . . . .	477
<i>Dibay E. A., Pronik V. I.</i> The spectrophotometric investigation of the nucleus of NGC 1068 . . . . .	78
<i>Dlujnevskaya O. B.</i> On the color-function of the young galactic clusters . . . . .	235
<i>Doroshkevitch A. G.</i> A world model with the homogeneous magnetic field . . . . .	255
<i>Dragomiretskaja B. A.</i> BN Orionis — RW Aurigae-type variable star . . . . .	455
<i>Fessenko B. I.</i> (see <i>Agekian T. A.</i> ) . . . . .	373
<i>Gorbatzky V. G.</i> On the influence of electron collisions on the intensities of Balmer lines in spectra of the moving envelopes of stars . . . . .	129
<i>Gutdalevich E. J., Kaplan S. A.</i> On shock-waves in gas-dust medium . . . . .	475
<i>Gurzadian G. A.</i> The gradient of the electron temperature in planetary nebulae . . . . .	91
<i>Gurzadian G. A.</i> On the electron temperature and electron concentration of the planetary nebula IC 4997 . . . . .	225
<i>Gurzadian G. A.</i> The non-steady stellar envelopes containing high-energy electrons . . . . .	319
<i>Hovhannisian E. Y.</i> (see <i>Markarian B. E.</i> ) . . . . .	38
<i>Hovhannisian R. S.</i> On one particular case of the equilibrium of a rotating cylindrical configuration in the presence of a magnetic field . . . . .	193
<i>Hovhannisian R. Kh.</i> (see <i>Ivanova N. L.</i> ) . . . . .	397
<i>Ivanenko D. D., Kurdgelaidze D. F.</i> Hypothesis of quark stars . . . . .	479

<i>Ivanov V. V., Stecherbakov V. T.</i> Tables of functions encountered in the theory of transfer of resonance radiation. I . . . . .	22
<i>Ivanov V. V., Stecherbakov V. T.</i> Tables of functions encountered in the theory of transfer of resonance radiation. II . . . . .	31
<i>Ivanov V. V., Nagirner D. I.</i> H-functions in the theory of transfer of resonance radiation . . . . .	143
<i>Ivanova N. L., Hovhannissian R. Kh., Yepremian R. A.</i> Some results of the spectrophotometric investigation of V 444 Cyg . . . . .	397
<i>Kalloghlian N. L.</i> (see <i>Mirzoyan L. V.</i> ) . . . . .	285
<i>Kaplan S. A.</i> (see <i>Guidalevich E. J.</i> ) . . . . .	475
<i>Karachentsev I. D.</i> The distribution of Sculptor-type dwarf systems in Virgo cluster of galaxies . . . . .	203
<i>Karachentsev I. D.</i> On instability of the Virgo cluster of galaxies . . . . .	303
<i>Kazarian E. S.</i> (see <i>Mirzoyan L. V.</i> ) . . . . .	213
<i>Khachikyan E. Y., Parsamian E. S.</i> The colorimetry of the cometary nebula Anon 6 <sup>h</sup> 04 <sup>m</sup> . . . . .	417
<i>Kharadze E. K., Bartaya R. A.</i> On the investigation of the spectrum of RW Aur . . . . .	405
<i>Kukarkin B. V.</i> The galaxies with frequent flares of Supernovae . . . . .	465
<i>Kurdgeladze D. F.</i> (see <i>Ivanenko D. D.</i> ) . . . . .	479
<i>Kurcchka L. N.</i> The electron concentration determination by emission Balmer lines . . . . .	369
<i>Lukatskaya F. I., Zeltsman A. P.</i> On the statistical parameters of the radiation of irregular and semiregular variable stars . . . . .	313
<i>Lupanov G. A.</i> Singular sphere oscillations . . . . .	267
<i>Malumian V. H.</i> The radio emission of the Galactic nucleus . . . . .	347
<i>Markarian B. E., Hovhannissian E. Y., Arakellian S. N.</i> A detailed photometry of galaxies in the Virgo cluster . . . . .	38
<i>Melnikov O. A.</i> On the differential depression of Fe I levels and the „red displacement“ of spectral lines at pressures up to 1 atmosphere . . . . .	351
<i>Minin I. N.</i> On light scattering in a one-dimensional non-steady state medium . . . . .	173
<i>Minin I. N.</i> On the theory of the reflection effect in close binary systems . . . . .	275
<i>Mirzoyan L. V.</i> The continuous formation and rates of evolution of stars in stellar associations . . . . .	109
<i>Mirzoyan L. V., Kazarian E. S.</i> The spectrum of RW Aur in the region $\lambda\lambda$ 3600—4800 . . . . .	213
<i>Mirzoyan L. V., Kalloghlian N. L.</i> On continuous radiation of SS Cyg . . . . .	385
<i>Mnatsakanian M. A.</i> (see <i>Chubarian E. V.</i> ) . . . . .	477
<i>Mnatsakanian R. G.</i> (see <i>Sahakian K. A.</i> ) . . . . .	125



<i>Mnatsakanian R. G.</i> (see <i>Sahakian K. A.</i> ) . . . . .	229
<i>Mustel E. R.</i> , <i>Boyarchuk A. A.</i> A spectroscopic study of V 603 Aql (N Aql 1918)	337
<i>Nagirner D. I.</i> (see <i>Ivanov V. V.</i> ) . . . . .	143
<i>Nicoghossian A. G.</i> Polychromatic diffuse reflection of light from an infinitely deep one-dimensional medium . . . . .	285
<i>Parsamian E. S.</i> (see <i>Khachikian E. Y.</i> ) . . . . .	417
<i>Petrovskaya I. V.</i> (see <i>Agekian T. A.</i> ) . . . . .	373
<i>Petrovskaya I. V.</i> On the possibility of the determination of ages of globular clusters by dynamical method . . . . .	437
<i>Pronik V. I.</i> (see <i>Dibay E. A.</i> ) . . . . .	78
<i>Sahakian G. S.</i> (see <i>Ambartsumian V. A.</i> ) . . . . .	7
<i>Sahakian K. A.</i> , <i>Mnatsakanian R. G.</i> On two blue galaxies . . . . .	125
<i>Sahakian K. A.</i> Two very blue faint objects near D-galaxy . . . . .	126
<i>Sahakian K. A.</i> , <i>Mnatsakanian R. G.</i> The faint blue stars in the region $\alpha = 17^{\text{h}}18^{\text{m}}$ , $\delta = +43^{\circ}30'$ (1950) . . . . .	229
<i>Sanamian V. A.</i> , <i>Aslanian A. M.</i> The variation of the flux density of the radio source Cassiopeia-A . . . . .	247
<i>Stcherbakov V. T.</i> (see <i>Ivanov V. V.</i> ) . . . . .	22
<i>Stcherbakov V. T.</i> (see <i>Ivanov V. V.</i> ) . . . . .	31
<i>Thoumassian H. M.</i> On the nuclei of barred galaxies . . . . .	197
<i>Vardanian R. A.</i> Correlation between direction of axis of cometary nebulae and the plane of polarization of the surrounding stars . . . . .	429
<i>Vartanian Y. L.</i> The absorption of neutrino for superhigh temperatures . . .	183
<i>Yengibarian N. B.</i> Time-dependence of the probability of diffuse reflection of a photon from one-dimensional inhomogeneous medium . . . . .	167
<i>Yengibarian N. B.</i> On one problem of the radiation non-linear transfer . . .	297
<i>Yepremian R. A.</i> (see <i>Ivanova N. L.</i> ) . . . . .	397
<i>Zeltsman A. P.</i> (see <i>Lukatskaya F. I.</i> ) . . . . .	313