

Bibliographic catalogue of stellar radial velocities (1991-2014.5)

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The present catalogue is the 28th version and the continuation of the first one (1991-1994) published by Malaroda et al. (2000) (A&AS, 144, 1). We have revised the issues of the journals listed in Table 1, for the period January 1991- June 2014.

It is not a complete list of all journals devoted to astronomical literature, but they are the most important ones and those available at our libraries.

We prepared a plain ASCII file with the object identifications as provided by the authors. This file was transferred to the SIMBAD database, and, using the proper formats and filters, we have retrieved the identification for each object according to the rules of SIMBAD. In the same way we have also retrieved: the J2000 coordinates, the V magnitude, and the spectral classification for each object. The different columns of the catalogue are described as follows:

Column 1 (bytes 1 to 30): Identification. We have preferred for identification

the HD, CD or CPD numbers, in that order. Stars in clusters are indicated with the cluster's name and the number of the stars according to the primary identification paper for that particular cluster, found either at SIMBAD or Mermilliod's database (which was accessed through the WEB of the Geneva Observatory. Columns 2 (bytes 31 to 37): Right ascension for J2000.0. It is given to the tenth of a minute and has been retrieved from SIMBAD. Column 3 (bytes 44 to 49): Declination for J2000.0. It is given to the minute and has been retrieved from SIMBAD. Column 4 (bytes 56 to 60): Visual magnitude. It has been retrieved from SIMBAD. Column 5 (bytes 61 to 76): Spectral type and luminosity class. They have been retrieved from the SIMBAD database. In some cases, when the number of symbols is large, the spectral type has been truncated. Column 6 (bytes 77 to 88): Radial velocity. For each object we have included the average radial velocity provided by the author. If the number of radial velocity measurements is more than 1, and an average has not been calculated by the author, we have not included any radial velocity at all. If the star is a spectroscopic binary, for which an orbit has been computed, then the systemic radial velocity is quoted in this column. Column 7 (bytes 97 to 100): Number of individual observations for a particular object. Column 8 (bytes 107 to 110): Comments. We have included in this column an acronym to indicate the nature of the star, when mentioned by the author. Acronyms are as follows:

BDs BROWN DWARFS

BHB BLUE HORIZONTAL BRANCH

BMP BLUE METAL POOR STARS

BMPs BINARY MILLISECOND RADIOPULSARS

CEMPs CARBON-ENHANCED METAL POOR STARS

CEPH CEPHEIDS
CONST CONSTANT RADIAL VELOCITY
CV CATAclysmic VARIABLE
DBL DOUBLE LINE
DRV DIFFERENTIAL RADIAL VELOCITY
EB ECLIPSING BINARY EBx ECLIPSING X-RAY BINARIES
eHe HELIUM STARS
EM EMISSION LINES
esdM EXTREME M SUBDWARF
FS FLARE STAR
FUSE FAR ULTRAVIOLET SPECTROSCOPIC EXPLORER
GEOM GEOMETRIC
HiD HIGH DISPERSION
HMX-SB HIGH MASS X-RAY BINARY
HVSs HYPER VELOCITY STARS
LBV LUMINOUS BLUE VARIABLE
LMC LARGE MAGELLANIC CLOUDS
LMXBs LOW-MASS X-RAYS BINARIES
LPVs LONG PERIOD VARIABLE STARS
LSR LOCAL STANDARD OF REST
LWSB LINE-WIDTH BINARY
MXRBs MASSIVE X-RAY BINARY SYSTEMS
ORB ORBITAL ELEMENTS COMPUTED
pAGB POST ASYMPTOTIC
PCEB POST COMMON ENVELOPE BINARIES
PMS PRE-MAIN SEQUENCE STAR
PN PLANETARY NEBULA

RBC R CORONAE BOREALIS

ReAn REANALYSIS

RVp RADIAL VELOCITY PULSATIONAL

RV Sca Her dispersion de velocidad radial

RVvar RADIAL VELOCITY VARIATIONS

RRLyr RR LYRAE STAR

RSGs SUPERGIGANT RED

RV Tau RV TAURI STARS

SB SPECTROSCOPIC BINARY

SBx X-RAY BINARY

SB1 SINGLE LINED BINARY

SB2 DOUBLE LINED BINARY

SB? SUSPECTED BINARY STAR

sdB SUBDWARF BLUE

sdO SUBDWARF O STAR

SDSS SLOAN DIGITAL SKY SURVEY

SMC SMALL MAGELLANIC CLOUDS

SRd SEMIREGULAR VARIABLES

SS SUPER SOFT X RAY SB

STND RADIAL VELOCITY STANDARD

SYMB SYMBIOTIC STAR

SXT SOFT X-RAY TRANSIENTS

T TAU T TAURI STAR

TRI TRIPLE SYSTEM

UVES ULTRAVIOLET AND VISUAL ECHELLE SPECTROGRAPH

VAR VAR RADIAL VELOCITY

VB VISUAL BINARY

ViB BISECTOR VELOCITIES

VLM VERY LOW-MASS STARS

WD WHITE DWARF

XRN X-RAY NOVAE

&: RADIAL VELOCITY VARIABILITY

#: ERRONEOUS RV?

*: STAR A OR B?

Column 9 (bytes 115 to 119): Dispersion, resolving power or resolution. We have included in this column one of the above parameters. It is not possible to confuse the resolving power with any of the other two parameters because, in general, resolving power is a relatively large number compared with dispersion or resolution. As in the case of the dispersion or resolution an ambiguity may arise, we have added an R to the number when it refers to the resolution. The acronym COR in this column means that the radial velocity was derived through cross correlation techniques (like Coravel, for example) while REL means a relative velocity, DIF means differential velocity, SEV means that more than one resolving power or resolution have been used, OP means objective prism observations, IUE means that the radial velocities were derived from observations obtained with the International Ultraviolet Explorer, AST means astrometric radial velocities, RAD means radial velocities determined through radio astronomy, FUSE means Ultraviolet Spectroscopic Explorer and EUVE Extreme Ultraviolet Explorer, PCEB means POST-Common-Envelope Binaries. Column 10 (bytes 123 to 139): Bibliographic reference. This column includes the bibliographic reference of the paper in which the radial velocities were published. Journal designations are abbreviated as shown in Table 1. The stars in the catalogue are ordered by increasing right ascension. For a number of objects, we failed in obtaining identification from SIMBAD database. If the authors published

coordinates for them, we used the designations and coordinates (precessed to J2000) provided in the reference. In this new version there are 1670 entries without coordinates in SIMBAD database. These objects have been listed at the end of the catalogue and they will be merged with the rest of the identified objects as soon as we are able to find coordinates for them.

The 1991-2014.5 version has 790.721 entries.

Table 1

AcA ACTA ASTRONOMICA

A&A ASTRONOMY AND ASTROPHYSICS

A&AS ASTRONOMY AND ASTROPHYSICS SUPPLEMENT SERIES

AJ ASTRONOMICAL JOURNAL

AN ASTRONOMISCHE NACHRICHTEN

ApJ ASTROPHYSICAL JOURNAL

APJAE ANNALS OF THE FIRST JOURNALS ON STELLAR ASTROPHYSICS

ApJS ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES

ASPC ASTRONOMICAL SOCIETY OF THE PACIFIC CONFERENCE SERIES

fesc.book ASPC 13, 1991

cadm.conf ASPC 32, 1992

nfbs.proc ASPC 38, 1993

pvnnp.conf ASPC 44, 1993

gcgc.work

ASPC 48, 1993

lahr.conf ASPC 81, 1995

oedb.conf ASPC 90, 1996

hds..conf ASPC 96, 1996

psrv.conf ASPC 185, 1999

bpct.conf ASPC 214, 2000

AstL ASTRONOMY LETTERS

(1993-...)ARep ASTRONOMY REPORTS (1994-...)

BAIC BULLETIN OF THE ASTRONOMICAL INSTITUTES OF CZECHOSLOVAKIA (1991)

ChA&A CHINESE ASTRONOMY AND ASTROPHYSICS (1991-...)

IAUS INTERNATIONAL ASTRONOMICAL UNION SYMPOSIUM

BASI BULLETIN OF THE ASTRONOMICAL SOCIETY OF INDIA

IBVS INFORMATION BULLETIN ON VARIABLE STARS

JAD THE JOURNAL OF ASTRONOMICAL DATA (1995-...)

JApA JOURNAL OF ASTROPHYSICS AND

ASTRONOMY

JRASC JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY OF CANADA

MES THE

MESSENGER

MNRAS MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY

MNAS MONTHLY

NOTICES OF THE ASTRONOMICAL SOCIETY OF SOUTH AFRICA

MSAI MEMORIE della SOCIETA ASTRONOMICA ITALIANA

NewA NEW ASTRONOMY (1996-...)

NewAR NEW ASTRONOMY REVIEWS (1998-...)

Obs THE OBSERVATORY

PASJ PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF JAPAN

PASP PUBLICATIONS OF THE ASTRONOMICAL SOCIETY OF PACIFIC

PAZh PIS MA

ASTRONOMISCHESKII ZHURNAL (1991-1992)

PSYMB&RS PHYSICAL PROCESSES IN SYMBIOTIC BINARIES AND RELATED SYSTEMS

ARSC JOURNAL OF THE ROYAL ASTRONOMICAL SOCIETY OF CANADA

RMxAA REVISTA MEXICANA DE ASTRONOMIA Y ASTROFISICA

RMSC REVISTA MEXICANA

SERIE CONFERENCIAS

RoAJ ROMANIAN ASTRONOMICAL JOURNAL

SA SOVIET ASTRONOMY (1991-1993)

SvAL SOVIET ASTRONOMY LETTERS (1991-1992)

VA VISTAS IN ASTRONOMY

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