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**BVR OBSERVATIONS OF THE DOUBLE-MODE
 CEPHEID AS Cas**

Recently one of us (Berdnikov, 1992) has decomposed available photoelectric observations of all double-mode Cepheids into two oscillations. It was pointed out as well that the number of the existing observations is not sufficient for certain investigation of light curve variations in the majority of these stars. Therefore we continue to carry out the observations of the all accessible double-mode Cepheids.

Photoelectric observations of double-mode Cepheid AS Cas were carried out in summer-autumn 1993. The 60-cm reflector of the Mt. Maidanak observatory of the Tashkent Astronomical Institute was used and 101 BVR measurements (Table 1) were obtained.

Table 1

| JD hel 2440000+ | V | B-V | V-R | JD hel 2440000+ | V | B-V | V-R |
|--------------------|--------|-------|-------|--------------------|--------|-------|-------|
| 9198.4712 | 12.362 | 1.447 | 1.289 | 9212.3315 | 12.262 | 1.336 | 1.244 |
| 9199.4535 | 12.389 | 1.273 | 1.254 | 9212.4507 | 12.275 | 1.357 | 1.260 |
| 9201.4332 | 12.386 | 1.454 | 1.297 | 9218.3324 | 12.151 | 1.304 | 1.196 |
| 9202.3661 | 12.114 | 1.251 | 1.214 | 9219.2867 | 12.486 | 1.414 | 1.338 |
| 9202.4537 | 11.984 | 1.219 | 1.118 | 9219.3909 | 12.461 | 1.454 | 1.293 |
| 9203.3105 | 12.132 | 1.323 | 1.219 | 9219.4887 | 12.448 | 1.485 | 1.271 |
| 9203.3992 | 12.162 | 1.339 | 1.269 | 9220.2814 | 12.306 | 1.362 | 1.227 |
| 9203.4606 | 12.269 | 1.375 | 1.258 | 9220.4235 | 12.229 | 1.370 | 1.194 |
| 9204.3027 | 12.479 | 1.472 | 1.279 | 9221.3329 | 12.106 | 1.274 | 1.200 |
| 9204.3872 | 12.502 | 1.406 | 1.310 | 9221.4335 | 12.065 | 1.291 | 1.171 |
| 9204.4662 | 12.472 | 1.499 | 1.283 | 9222.2835 | 12.272 | 1.369 | 1.233 |
| 9205.3122 | 12.230 | 1.340 | 1.185 | 9222.4105 | 12.326 | 1.406 | 1.260 |
| 9205.3956 | 12.175 | 1.339 | 1.155 | 9224.2962 | 11.940 | 1.217 | 1.127 |
| 9205.4625 | 12.231 | 1.343 | 1.218 | 9224.4204 | 12.049 | 1.271 | 1.208 |
| 9206.3354 | 12.072 | 1.258 | 1.147 | 9225.2618 | 12.486 | 1.474 | 1.322 |
| 9206.4005 | 12.109 | 1.305 | 1.182 | 9225.4116 | 12.527 | 1.482 | 1.326 |
| 9206.4636 | 12.117 | 1.290 | 1.191 | 9225.4933 | 12.545 | 1.450 | 1.312 |
| 9207.3223 | 12.310 | 1.367 | 1.254 | 9226.2641 | 12.360 | 1.360 | 1.253 |
| 9207.4015 | 12.369 | 1.393 | 1.261 | 9226.4068 | 12.238 | 1.278 | 1.201 |
| 9207.4657 | 12.384 | 1.441 | 1.293 | 9226.4928 | 12.118 | 1.290 | 1.162 |
| 9209.3689 | 12.058 | 1.305 | 1.172 | 9227.2572 | 12.159 | 1.337 | 1.178 |
| 9210.3373 | 12.530 | 1.487 | 1.338 | 9227.4087 | 12.252 | 1.345 | 1.248 |
| 9210.4233 | 12.502 | 1.492 | 1.288 | 9227.4982 | 12.278 | 1.388 | 1.211 |
| 9211.3106 | 12.204 | 1.329 | 1.197 | 9228.2669 | 12.328 | 1.406 | 1.282 |
| 9211.4542 | 12.049 | 1.266 | 1.146 | 9228.4228 | 12.325 | 1.375 | 1.272 |

Table 1 (continued)

| JD hel 2440000+ | V | B-V | V-R | JD hel 2440000+ | V | B-V | V-R |
|--------------------|--------|-------|-------|--------------------|--------|-------|-------|
| 9228.4967 | 12.310 | 1.405 | 1.265 | 9237.4061 | 12.262 | 1.405 | 1.221 |
| 9229.2579 | 12.416 | 1.416 | 1.282 | 9237.5045 | 12.371 | 1.401 | 1.296 |
| 9229.4200 | 12.432 | 1.428 | 1.327 | 9238.2782 | 12.536 | 1.478 | 1.296 |
| 9229.4966 | 12.441 | 1.424 | 1.293 | 9238.4077 | 12.570 | 1.475 | 1.314 |
| 9230.2620 | 11.803 | 1.173 | 1.088 | 9239.2142 | 11.773 | 1.172 | 1.054 |
| 9230.3991 | 11.862 | 1.190 | 1.108 | 9239.4014 | 11.954 | 1.212 | 1.139 |
| 9230.4947 | 11.903 | 1.221 | 1.119 | 9239.5074 | 12.049 | 1.266 | 1.169 |
| 9231.2631 | 12.367 | 1.409 | 1.318 | 9240.2257 | 12.428 | 1.457 | 1.310 |
| 9231.4051 | 12.357 | 1.512 | 1.286 | 9240.3369 | 12.457 | 1.475 | 1.284 |
| 9231.4941 | 12.465 | 1.499 | 1.327 | 9240.5081 | 12.540 | 1.550 | 1.277 |
| 9232.2475 | 12.554 | 1.502 | 1.266 | 9241.2275 | 12.461 | 1.387 | 1.263 |
| 9232.4033 | 12.489 | 1.405 | 1.282 | 9241.3597 | 12.383 | 1.354 | 1.255 |
| 9232.4948 | 12.338 | 1.392 | 1.227 | 9241.5091 | 12.274 | 1.383 | 1.217 |
| 9233.2538 | 12.069 | 1.261 | 1.183 | 9242.3273 | 12.172 | 1.313 | 1.211 |
| 9233.4012 | 12.065 | 1.338 | 1.190 | 9242.4123 | 12.209 | 1.354 | 1.242 |
| 9234.2489 | 12.445 | 1.493 | 1.270 | 9242.5087 | 12.213 | 1.363 | 1.186 |
| 9234.4167 | 12.453 | 1.404 | 1.305 | 9243.2081 | 12.287 | 1.369 | 1.249 |
| 9234.4941 | 12.441 | 1.463 | 1.251 | 9243.3588 | 12.310 | 1.361 | 1.278 |
| 9235.2435 | 12.334 | 1.370 | 1.231 | 9243.5112 | 12.339 | 1.423 | 1.243 |
| 9235.4161 | 12.323 | 1.313 | 1.283 | 9244.2311 | 12.410 | 1.415 | 1.277 |
| 9235.4982 | 12.299 | 1.361 | 1.230 | 9244.3877 | 12.438 | 1.424 | 1.273 |
| 9236.2265 | 12.197 | 1.283 | 1.216 | 9244.5049 | 12.460 | 1.440 | 1.283 |
| 9236.4155 | 12.103 | 1.273 | 1.183 | 9245.2288 | 11.874 | 1.183 | 1.113 |
| 9236.4993 | 12.077 | 1.261 | 1.164 | 9245.3646 | 11.838 | 1.146 | 1.116 |
| 9237.2221 | 12.238 | 1.305 | 1.243 | 9298.1243 | 12.394 | 1.408 | 1.291 |
| | | | | 9298.2933 | 12.452 | 1.410 | 1.349 |

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