**THE UKRAINE EASTERN REGION** (Donetsk Region, Kharkiv Region, Luhansk Region):

Site: National Aerospace University “KhAI”, Kharkiv

Teams: 47

Universities: 23

Cities: 9

Teams were suggested to solve 15 problems (see attached file “Problems”), the results of solutions are given in Table 1. There were no appeals concerning the conditions or test objectives from the teams during the Contests and after their completion.

Table 1

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Problem** | **A** | **B** | **C** | **D** | **E** | **F** | **G** | **H** | **I** | **J** | **K** | **L** | **M** | **N** | **O** |
| Total: | 16 | 23 | 118 | 73 | 14 | 53 | 98 | 74 | 21 | 95 | 3 | 8 | 12 | 20 | 56 |
| Success: | 2 | 9 | 25 | 21 | 0 | 19 | 34 | 40 | 3 | 11 | 0 | 2 | 0 | 1 | 42 |
| %: | 13% | 39% | 21% | 29% | 0% | 36% | 35% | 54% | 14% | 12% | 0% | 25% | 0% | 5% | 75% |

The problem set was difficult for the skill level of many participants of the AUCPC second stage. Оnly 1 team (2%) decided more than 10 tasks. Most teams (83%) decided less than 8 tasks.

Table 2 shows the number of teams grouped according to the number of their solutions:

Table 2

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **#Problems/#Teams** | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | **Total** |
| EASTERN | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 5 | 3 | 7 | 4 | 6 | 6 | 8 | 3 | 2 | 47 |

Region winners have become such teams:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rank** | **Team** | **University** | **Solved** | **Penalty** |
| 1 | KhNURE\_Energy | Kharkiv National University of Radio Electronics | 12 | 879 |
| 2 | KhPI\_Morituri::Reborn | National Technical University "Kharkiv Polytechnic Institute" | 10 | 776 |
| 3 | KhNUVNK\_Voyager | V.N. KarazinKharkiv National University | 10 | 901 |
| 4 | KhPI\_WABEPMAXT | National Technical University "Kharkiv Polytechnic Institute" | 8 | 494 |
| 5 | KhNURE\_RandomPeople | Kharkiv National University of Radio Electronics | 8 | 507 |
| 6 | KhNUE\_Boiledd\_Pilotz\* | Kharkiv National University of Economics | 8 | 589 |

We are grateful to our sponsors, which have made this contest unforgettable. This year the general sponsor of the Ukraine Eastern region Contest is NIX Solutions Ltd.  (<http://www.nixsolutions.com/>). The company Sigma Software (<https://sigma.software>) also provided financial assistance.

All nonresident contestants and their coaches were settled in the KhAI dispensary which is located 50 meters from the main building of the university.

During registration each contestant received a name badge.

Before contest each contestant received a certificate, a notebook, a pen, a chocolate bar with the NIX Solutions' logo and a bottle of mineral water.

After the end of the contest our sponsors offered a small buffet to the contestants and coaches: cakes, pies, mineral water, juices, coffee, tea.

Our sponsors have awarded the teams that won the first thirty places by Internet store gift certificates. The total prize fund was 10 000 UAH.

Among the activities for the Ukraine Eastern region contest the excursions were not provided.

The photo report is [here](https://drive.google.com/drive/folders/17QxINrbZN1u05bvMvCebssOkN7yjulOL).