Corrected table II:

Table II:

Thermodynamic transport properties for the ternary liquid mixtures of morpholine + 1,4-dioxane+nitrobenzene at 308.15K.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *X1* | *X2* | *ρ/ kg m-3* | *VE/ m3 mol-1* | *U/ m s-1* | *ɸ1* | *ɸ2* |
| 0.0563 | 0.4676 | 1.1051 | -0.0882 | 1370 | 0.0524 | 0.4274 |
| 0.0789 | 0.5073 | 1.0936 | -0.0871 | 1350 | 0.0742 | 0.4687 |
| 0.0647 | 0.5290 | 1.0929 | -0.1000 | 1360 | 0.0610 | 0.4895 |
| 0.1742 | 0.5240 | 1.0710 | -0.1050 | 1364 | 0.1671 | 0.4933 |
| 0.1300 | 0.6545 | 1.0565 | -0.1206 | 1330 | 0.1267 | 0.6265 |
| 0.1443 | 0.5808 | 1.0670 | -0.1087 | 1334 | 0.1391 | 0.5498 |
| 0.2481 | 0.3216 | 1.0913 | -0.0625 | 1356 | 0.2321 | 0.2953 |
| 0.1622 | 0.2727 | 1.1169 | -0.0765 | 1360 | 0.1483 | 0.2449 |
| 0.1635 | 0.7323 | 1.0332 | -0.0486 | 1328 | 0.1628 | 0.7156 |
| 0.1860 | 0.7332 | 1.0284 | -0.0908 | 1330 | 0.1859 | 0.7194 |
| 0.2184 | 0.6593 | 1.0322 | 0.2031 | 1324 | 0.2164 | 0.6414 |
| 0.2239 | 0.2655 | 1.1028 | 0.1982 | 1334 | 0.2066 | 0. 2404 |
| 0.2312 | 0.6790 | 1.0256 | 0.1880 | 1340 | 0.2304 | 0.6645 |
| 0.2549 | 0.3633 | 1.0821 | -0.0228 | 1356 | 0.2405 | 0.3365 |
| 0.2644 | 0.6731 | 1.0202 | 0.0981 | 1300 | 0.2648 | 0.6618 |
| 0.2955 | 0.3563 | 1.0749 | -0.0236 | 1350 | 0.2804 | 0.3319 |
| 0.3286 | 0.0819 | 1.1159 | -0.0557 | 1356 | 0.2985 | 0.0730 |
| 0.3292 | 0.3365 | 1.0722 | -0.0919 | 1358 | 0.3130 | 0.3140 |
| 0.3908 | 0.1457 | 1.0929 | -0.0627 | 1364 | 0.3626 | 0.1327 |
| 0.3703 | 0.3171 | 1.0668 | -0.0698 | 1374 | 0.3532 | 0.2969 |
| 0.3880 | 0.1855 | 1.0866 | -0.0663 | 1372 | 0.3624 | 0.1701 |
| 0.4323 | 0.2993 | 1.0568 | -0.0667 | 1372 | 0.4153 | 0.2823 |
| 0.4503 | 0.3123 | 1.0501 | -0.0311 | 1376 | 0.4148 | 0.2960 |
| 0.4996 | 0.3390 | 1.0341 | -0.0260 | 1380 | 0.4889 | 0.3257 |

TABLE II continuation………………….

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *ΔKs* | *ɳ/ cP* | *Δlnɳ/ cP* | *ΔLF X10-10/ K-1* | *ΔβΤ X10-12/ K-1* | *ΔLF X10-07/ m3mol-1* |
| -24.1217 | 1.2612 | -0.0790 | -2.0396 | -4.6571 | -1.6313 |
| -11.9790 | 1.1985 | -0.1306 | -1.7098 | -2.8968 | -1.6010 |
| -21.0593 | 1.2965 | -0.0143 | -0.8265 | -4.1598 | -1.5938 |
| -20.6202 | 1.2464 | -0.1175 | -0.5238 | -3.9033 | -1.5598 |
| -2.4442 | 1.1048 | -0.1680 | -0.1092 | -1.3684 | -1.4998 |
| -1.7110 | 1.1304 | -0.1889 | -0.2212 | -1.3028 | -1.5371 |
| -0.4043 | 1.3191 | -0.1885 | -0.5035 | -1.1682 | -1.6506 |
| -2.4442 | 1.3750 | -0.1195 | -0.8807 | -1.5255 | -1.7073 |
| -1.7110 | 1.0757 | -0.1703 | -0.8371 | -1.0378 | -1.4442 |
| -0.4043 | 1.0942 | -0.1617 | -0.7828 | -1.0795 | -1.4363 |
| -2.7728 | 1.0604 | -0.2504 | -0.7085 | 0.5059 | -1.4673 |
| -3.6062 | 1.3576 | -0.1692 | -1.4130 | -1.6677 | -1.6908 |
| -4.4400 | 1.0772 | -0.2289 | -0.8055 | -1.2732 | -1.4519 |
| 7.4277 | 1.1612 | -0.3269 | -1.4170 | -1.4045 | -1.6239 |
| 19.5153 | 1.1643 | -0.1602 | -0.2612 | 3.7882 | -1.4447 |
| 5.5176 | 1.2751 | -0.2354 | -1.2356 | -4.9321 | -1.6148 |
| -2.4875 | 1.3538 | -0.3207 | -1.5883 | 1.2305 | -1.7601 |
| 29.8909 | 1.4627 | -0.0740 | -1.2445 | -1.0445 | -1.6154 |
| 3.8725 | 1.5391 | -0.1294 | -1.3880 | 0.1304 | -1.7036 |
| 15.0459 | 1.5258 | -0.0404 | -1.3020 | -2.2554 | -1.6129 |
| -0.5578 | 1.3765 | -0.2092 | -1.4245 | -0.9903 | -1.6814 |
| -9.5182 | 1.5808 | -0.0235 | -1.1065 | -1.5260 | -1.6023 |
| -0.7945 | 1.6804 | 0.0747 | -1.0648 | -1.8432 | -1.5892 |
| -5.0662 | 1.8288 | 0.2149 | -0.8469 | -1.9956 | -1.5577 |