

**TABULKA IV**

Teploty fázových přeměn při tlaku  $p^0 = 101,325 \text{ kPa}$  ( $T(\alpha \rightarrow \beta)$ ), entalpie fázových přeměn ( $\Delta H(\alpha \rightarrow \beta)$ ) a změny molárních tepelných kapacit doprovázející fázové přeměny ( $\Delta C_{pm}(\alpha \rightarrow \beta)$ ) [91KNA]

| Látka ( $\alpha \rightarrow \beta$ ) | $T(\alpha \rightarrow \beta)$<br>(K) | $\Delta H(\alpha \rightarrow \beta)$<br>(kJ/mol) | $\Delta C_{pm}(\alpha \rightarrow \beta)$<br>(J/K.mol) |
|--------------------------------------|--------------------------------------|--------------------------------------------------|--------------------------------------------------------|
| Al(fcc→l)                            | 933                                  | 10,711                                           | -0,68                                                  |
| B(s→l)                               | 2350                                 | 50,199                                           | 1,34                                                   |
| B <sub>2</sub> O <sub>3</sub> (s→l)  | 723                                  | 24,070                                           | 22,57                                                  |
| Ca(fcc→bcc)                          | 716                                  | 0,928                                            | -1,23                                                  |
| Ca(bcc→l)                            | 1115                                 | 8,539                                            | -8,23                                                  |
| Ca(l→g)                              | 1774                                 | 149,092                                          | -14,21                                                 |
| CaCl <sub>2</sub> (s→l)              | 1045                                 | 27,317                                           | 16,76                                                  |
| Co(hcp→fcc)                          | 700                                  | 0,451                                            | -0,57                                                  |
| Co(fcc→l)                            | 1768                                 | 16,192                                           | 2,39                                                   |
| CoO(s→l)                             | 2078                                 | 50,244                                           |                                                        |
| Cr(bcc→l)                            | 2130                                 | 20,497                                           | -16,5                                                  |
| CsBr(s→l)                            | 911                                  | 23,597                                           | 19,25                                                  |
| CsI(s→l)                             | 905                                  | 25,522                                           | 5,01                                                   |
| Cu(fcc→l)                            | 1358                                 | 13,137                                           | 0,53                                                   |
| Cu <sub>2</sub> S(s1→s2)             | 376                                  | 3,849                                            | 18,03                                                  |
| Cu <sub>2</sub> S(s2→s3)             | 717                                  | 1,200                                            | -5,36                                                  |
| Fe(bcc→fcc)                          | 1184                                 | 0,899                                            | -7,53                                                  |
| Fe(fcc→bcc)                          | 1665                                 | 0,836                                            | 3,21                                                   |
| Fe(bcc→l)                            | 1809                                 | 13,807                                           | 3,47                                                   |
| Ga(ort→l)                            | 303                                  | 5,589                                            | 2,25                                                   |
| GaCl <sub>3</sub> (l→g)              | 576                                  | 62,696                                           | -54,54                                                 |
| GaSb(s→l)                            | 985                                  | 65,115                                           | 34,25                                                  |
| Ge(dia→l)                            | 1210                                 | 36,944                                           | -0,39                                                  |
| In(tet→l)                            | 430                                  | 3,263                                            | 0,27                                                   |
| InSb(s→l)                            | 798                                  | 47,697                                           | 5,13                                                   |
| K(bcc→l)                             | 336                                  | 2,334                                            | -0,07                                                  |

| Látka ( $\alpha \rightarrow \beta$ )                    | $T(\alpha \rightarrow \beta)$<br>(K) | $\Delta H(\alpha \rightarrow \beta)$<br>(kJ/mol) | $\Delta C_{pm}(\alpha \rightarrow \beta)$<br>(J/K.mol) |
|---------------------------------------------------------|--------------------------------------|--------------------------------------------------|--------------------------------------------------------|
| KOH(s $\rightarrow$ l)                                  | 679                                  | 8,619                                            | 4,43                                                   |
| K <sub>2</sub> CO <sub>3</sub> (s $\rightarrow$ l)      | 1173                                 | 27,865                                           | 3,95                                                   |
| Li(bcc $\rightarrow$ l)                                 | 454                                  | 2,999                                            | 0,74                                                   |
| LiCl(s $\rightarrow$ l)                                 | 883                                  | 19,497                                           | -7,91                                                  |
| LiF(s $\rightarrow$ l)                                  | 1121                                 | 27,049                                           | 2,77                                                   |
| Li <sub>2</sub> CO <sub>3</sub> (s $\rightarrow$ l)     | 993                                  | 44,768                                           | -8,40                                                  |
| Mg(hcp $\rightarrow$ l)                                 | 923                                  | 8,476                                            | 2,05                                                   |
| Mg(l $\rightarrow$ g)                                   | 1366                                 | 127,499                                          | -13,52                                                 |
| MgO.SiO <sub>2</sub> (s1 $\rightarrow$ s2)              | 903                                  | 0,669                                            | 0,62                                                   |
| MgO.SiO <sub>2</sub> (s2 $\rightarrow$ s3)              | 1258                                 | 1,631                                            | 2,09                                                   |
| Mo(bcc $\rightarrow$ l)                                 | 2896                                 | 35,987                                           | -14,64                                                 |
| MnO(s $\rightarrow$ l)                                  | 2058                                 | 54,392                                           |                                                        |
| NaCl(s $\rightarrow$ l)                                 | 1074                                 | 28,283                                           | -0,99                                                  |
| NaF(s $\rightarrow$ l)                                  | 1269                                 | 33,597                                           | 4,51                                                   |
| Na(s $\rightarrow$ l)                                   | 371                                  | 2,598                                            | -0,14                                                  |
| Na(l $\rightarrow$ g)                                   | 1154                                 | 97,921                                           | -8,74                                                  |
| Ni(fcc $\rightarrow$ l)                                 | 1728                                 | 17,472                                           | 0,23                                                   |
| NiO(s1 $\rightarrow$ s2)                                | 525                                  | 0,041                                            | -12,10                                                 |
| NiO(s2 $\rightarrow$ s3)                                | 565                                  | 0,041                                            | -7,16                                                  |
| NiS(s1 $\rightarrow$ s2)                                | 652                                  | 6,443                                            | -3,34                                                  |
| NiS(s2 $\rightarrow$ l)                                 | 1249                                 | 30,124                                           | -0,05                                                  |
| Sb(rho $\rightarrow$ l)                                 | 904                                  | 19,874                                           | 0,39                                                   |
| Si(dia $\rightarrow$ l)                                 | 1685                                 | 50,199                                           | -2,01                                                  |
| SiO <sub>2</sub> (křemen1 $\rightarrow$ křemen2)        | 847                                  | 0,728                                            | -7,53                                                  |
| SiO <sub>2</sub> (křemen2 $\rightarrow$ tridymit3)      | 1143                                 |                                                  |                                                        |
| SiO <sub>2</sub> (tridymit3 $\rightarrow$ cristobalit3) | 1743                                 |                                                  |                                                        |
| SiO <sub>2</sub> (cristobalit3 $\rightarrow$ l)         | 2001                                 | 9,581                                            | 11,35                                                  |
| Ti(hcp $\rightarrow$ bcc)                               | 1166                                 | 0,995                                            | -4,77                                                  |
| Ti(bcc $\rightarrow$ l)                                 | 1939                                 | 14,146                                           | 9,86                                                   |
| TiCl <sub>4</sub> (l $\rightarrow$ g)                   | 409                                  | 35,781                                           | -45,16                                                 |

| Látka ( $\alpha \rightarrow \beta$ )                | $T(\alpha \rightarrow \beta)$<br>(K) | $\Delta H(\alpha \rightarrow \beta)$<br>(kJ/mol) | $\Delta C_{pm}(\alpha \rightarrow \beta)$<br>(J/K.mol) |
|-----------------------------------------------------|--------------------------------------|--------------------------------------------------|--------------------------------------------------------|
| W(bcc $\rightarrow$ l)                              | 3680                                 | 35,413                                           | -1,28                                                  |
| Y <sub>2</sub> O <sub>3</sub> (s1 $\rightarrow$ s2) | 1330                                 | 1,297                                            | 1,93                                                   |
| Zn(hcp $\rightarrow$ l)                             | 693                                  | 7,322                                            | 1,86                                                   |
| Zn(l $\rightarrow$ g)                               | 1179                                 | 115,365                                          | -10,59                                                 |
| ZnS(s1 $\rightarrow$ s2)                            | 1293                                 | 13,346                                           | -0,84                                                  |
| ZnSO <sub>4</sub> (s1 $\rightarrow$ s2)             | 540                                  | 5,020                                            | -0,10                                                  |
| ZnSO <sub>4</sub> (s2 $\rightarrow$ s3)             | 1013                                 | 20,334                                           | 3,04                                                   |
| Zr(hcp $\rightarrow$ bcc)                           | 1136                                 | 3,891                                            | -1,18                                                  |
| Zr(bcc $\rightarrow$ l)                             | 2125                                 | 18,660                                           | -2,80                                                  |