**Appendix 5**

**Appendix 5** Data Parameter Prediction for 4 element combination having H/M values between 1.5 to 2 and VEC values between 4.5 to 7.5

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Alloy** | **H/M** | |  | | --- | |  | | |  | | --- | |  | | **δ** | **∆χ** | **VEC** | **Predicted\_Phase** |
| **CoAlFeMn** | 1.592 | -12.371 | 11.628 | 4.23 | 0.104 | 4.707 | BCC |
| **CoNiFeLa** | 1.532 | -3.551 | 11.549 | 1.54 | 0.063 | 4.707 | FCC |
| **CoNiFeMn** | 1.576 | -3.963 | 11.573 | 1.357 | 0.11 | 4.707 | FCC |
| **CoNiFeW** | 1.532 | -3.406 | 11.575 | 1.566 | 0.078 | 4.707 | FCC |
| **CoNiHfFe** | 1.532 | -13.155 | 11.58 | 4.02 | 0.069 | 4.707 | FCC |
| **CoNiMgFe** | 1.532 | -3.668 | 11.548 | 2.367 | 0.09 | 4.707 | BCC |
| **CoNiZrFe** | 1.532 | -19.446 | 11.683 | 4.835 | 0.066 | 4.707 | BCC |
| **CrMoTaHf** | 1.534 | -3.789 | 11.281 | 4.21 | 0.211 | 4.796 | FCC |
| **CrMoTaW** | 1.57 | -5.803 | 11.436 | 2.914 | 0.291 | 4.86 | BCC |
| **CrMoTaZr** | 1.55 | -4.283 | 11.394 | 4.883 | 0.362 | 4.801 | BCC |
| **CrNbCoHf** | 1.624 | -11.809 | 11.066 | 3.818 | 0.119 | 4.707 | BCC |
| **CrNbMgFe** | 1.64 | -4.966 | 11.271 | 2.771 | 0.105 | 4.688 | FCC |
| **CrNbMoTa** | 1.55 | -4.846 | 11.235 | 3.104 | 0.24 | 4.861 | FCC |
| **CrNbTaCo** | 1.604 | -12.129 | 11.103 | 3.264 | 0.133 | 4.707 | FCC |
| **CrNbTaHf** | 1.8 | -2.574 | 11.181 | 3.585 | 0.127 | 4.764 | BCC |
| **CrNbTaW** | 1.78 | -5.04 | 11.129 | 3.044 | 0.281 | 4.828 | BCC |
| **CrNiZrHf** | 1.658 | -12.477 | 11.279 | 5.114 | 0.136 | 4.702 | FCC |
| **CrTaCoZr** | 1.724 | -18.768 | 11.142 | 4.554 | 0.309 | 4.707 | BCC |
| **CrTaHfW** | 1.57 | -3.458 | 11.312 | 3.631 | 0.19 | 4.762 | BCC |
| **CrTaWLa** | 1.57 | -4.232 | 11.092 | 2.572 | 0.191 | 4.818 | BCC |
| **CrTaZrFe** | 1.58 | -3.805 | 11.586 | 1.632 | 0.265 | 4.723 | FCC |
| **CrTaZrHf** | 1.92 | -2.586 | 11.057 | 4.508 | 0.11 | 4.714 | FCC |
| **CrTaZrW** | 1.92 | -4.07 | 11.155 | 4.49 | 0.328 | 4.764 | BCC |
| **CrZrHfFe** | 1.588 | -4.917 | 11.467 | 2.426 | 0.082 | 4.68 | BCC |
| **MoCoFeMn** | 1.528 | -3.694 | 11.518 | 2.979 | 0.173 | 4.707 | BCC |
| **MoCoHfFe** | 1.552 | -12.225 | 11.568 | 5.178 | 0.175 | 4.707 | FCC |
| **MoCoNiFe** | 1.532 | -5.336 | 11.636 | 2.175 | 0.1 | 4.707 | FCC |
| **MoCoZrAl** | 1.552 | -21.587 | 11.241 | 6.537 | 0.231 | 4.707 | FCC |
| **MoCoZrHf** | 1.552 | -18.343 | 11.192 | 5.082 | 0.254 | 4.707 | FCC |
| **MoCoZrW** | 1.552 | -17.634 | 11.024 | 5.195 | 0.251 | 4.707 | BCC |
| **MoHfFeMn** | 1.632 | -4.046 | 11.007 | 5.64 | 0.195 | 4.707 | BCC |
| **MoTaCoFe** | 1.744 | -8.812 | 11.593 | 3.481 | 0.194 | 4.707 | BCC |
| **MoTaCoHf** | 1.608 | -13.443 | 11.039 | 4.383 | 0.211 | 4.707 | BCC |
| **MoTaCoZr** | 1.724 | -17.756 | 11.475 | 4.866 | 0.438 | 4.707 | FCC |
| **MoTaFeLa** | 1.92 | -3.908 | 11.238 | 4.505 | 0.196 | 4.727 | BCC |
| **MoTaFeMn** | 1.824 | -3.296 | 11.177 | 4.291 | 0.197 | 4.707 | BCC |
| **MoTaFeW** | 1.92 | -5.855 | 11.48 | 4.505 | 0.292 | 4.727 | BCC |
| **MoTaHfFe** | 1.552 | -3.407 | 11.31 | 5.941 | 0.195 | 4.701 | BCC |
| **MoTaHfLa** | 1.552 | -2.847 | 11.429 | 4.097 | 0.213 | 4.707 | FCC |
| **MoTaHfMg** | 1.552 | -3.948 | 11.581 | 5.302 | 0.211 | 4.701 | FCC |
| **MoTaHfMn** | 1.688 | -2.552 | 11.394 | 4.075 | 0.213 | 4.707 | FCC |
| **MoTaHfW** | 1.552 | -4.227 | 11.704 | 4.065 | 0.303 | 4.707 | BCC |
| **MoTaMgFe** | 1.6 | -4.897 | 11.236 | 5.529 | 0.197 | 4.705 | FCC |
| **MoTaMgLa** | 1.92 | -4.402 | 11.135 | 4.181 | 0.214 | 4.726 | BCC |
| **MoTaMgMn** | 1.824 | -3.916 | 11.034 | 4.082 | 0.214 | 4.707 | BCC |
| **MoTaMgW** | 1.92 | -5.778 | 11.591 | 4.179 | 0.299 | 4.726 | FCC |
| **MoTaMnLa** | 1.824 | -2.825 | 11.047 | 3.148 | 0.214 | 4.707 | FCC |
| **MoTaMnW** | 1.824 | -4.619 | 11.549 | 3.078 | 0.305 | 4.707 | FCC |
| **MoTaNiHf** | 1.552 | -9.757 | 11.302 | 4.334 | 0.213 | 4.706 | BCC |
| **MoTaNiW** | 1.92 | -8.592 | 11.276 | 3.397 | 0.305 | 4.717 | BCC |
| **MoTaNiZr** | 1.868 | -9.711 | 11.433 | 5.761 | 0.438 | 4.708 | FCC |
| **MoTaWLa** | 1.92 | -5.339 | 11.602 | 3.005 | 0.305 | 4.762 | BCC |
| **MoTaZrFe** | 1.82 | -3.846 | 11.573 | 6.345 | 0.439 | 4.705 | FCC |
| **MoTaZrHf** | 1.552 | -2.36 | 11.681 | 5.048 | 0.227 | 4.655 | BCC |
| **MoTaZrLa** | 1.884 | -3.071 | 11.385 | 4.714 | 0.438 | 4.716 | BCC |
| **MoTaZrMg** | 1.82 | -3.946 | 11.475 | 4.947 | 0.438 | 4.705 | BCC |
| **MoTaZrMn** | 1.804 | -2.882 | 11.389 | 4.652 | 0.438 | 4.707 | FCC |
| **MoTaZrW** | 1.884 | -4.227 | 11.716 | 4.672 | 0.445 | 4.716 | BCC |
| **MoZrHfMn** | 1.632 | -3.867 | 11.052 | 4.693 | 0.259 | 4.707 | BCC |
| **NbCoNiFe** | 1.532 | -10.752 | 11.85 | 2.839 | 0.075 | 4.707 | FCC |
| **NbHfFeW** | 1.848 | -1.615 | 11.027 | 5.468 | 0.151 | 4.633 | BCC |
| **NbHfMgFe** | 1.51 | -1.108 | 11.064 | 5.938 | 0.13 | 4.651 | BCC |
| **NbMoCoFe** | 1.572 | -10.001 | 11.655 | 4.026 | 0.168 | 4.707 | FCC |
| **NbMoCoHf** | 1.616 | -12.231 | 11.003 | 3.706 | 0.17 | 4.707 | FCC |
| **NbMoCoZr** | 1.616 | -18.666 | 11.147 | 4.822 | 0.236 | 4.707 | BCC |
| **NbMoHfFe** | 1.684 | -2.551 | 11.258 | 5.777 | 0.191 | 4.704 | BCC |
| **NbMoHfMn** | 1.66 | -2.214 | 11.031 | 3.413 | 0.176 | 4.707 | BCC |
| **NbMoHfW** | 1.62 | -4.084 | 11.159 | 3.207 | 0.199 | 4.718 | BCC |
| **NbMoNiHf** | 1.684 | -8.967 | 11.066 | 3.865 | 0.186 | 4.708 | BCC |
| **NbMoTaAl** | 1.92 | -10.198 | 11.209 | 6.851 | 0.244 | 4.714 | FCC |
| **NbMoTaCo** | 1.724 | -13.006 | 11.137 | 3.051 | 0.244 | 4.707 | BCC |
| **NbMoTaFe** | 1.92 | -3.161 | 11.297 | 4.624 | 0.232 | 4.74 | BCC |
| **NbMoTaHf** | 1.848 | -1.465 | 11.62 | 3.117 | 0.24 | 4.713 | BCC |
| **NbMoTaLa** | 1.92 | -3.088 | 11.346 | 2.67 | 0.256 | 4.783 | FCC |
| **NbMoTaMg** | 1.92 | -3.786 | 11.257 | 3.577 | 0.243 | 4.739 | BCC |
| **NbMoTaMn** | 1.804 | -2.934 | 11.287 | 2.709 | 0.256 | 4.707 | BCC |
| **NbMoTaW** | 1.92 | -6.341 | 11.528 | 2.306 | 0.358 | 4.783 | BCC |
| **NbMoTaZr** | 1.884 | -2.325 | 11.528 | 4.436 | 1.434 | 4.73 | FCC |
| **NbMoZrFe** | 1.684 | -2.977 | 11.325 | 6.017 | 0.243 | 4.722 | FCC |
| **NbMoZrHf** | 1.62 | -2.072 | 11.334 | 4.656 | 0.251 | 4.606 | BCC |
| **NbNiFeLa** | 1.656 | -4.619 | 11.637 | 3.058 | 0.077 | 4.695 | BCC |
| **NbNiFeMn** | 1.612 | -4.35 | 11.78 | 3.01 | 0.107 | 4.707 | FCC |
| **NbNiFeW** | 1.656 | -5.433 | 11.692 | 3.07 | 0.096 | 4.695 | BCC |
| **NbNiHfFe** | 1.6 | -5.212 | 11.741 | 4.691 | 0.082 | 4.688 | BCC |
| **NbTaFeW** | 1.92 | -3.434 | 11.132 | 3.994 | 0.268 | 4.704 | FCC |
| **NbTaHfFe** | 1.92 | 0.614 | 11.326 | 5.522 | 0.127 | 4.673 | BCC |
| **NbTaHfW** | 1.92 | -0.606 | 11.176 | 3.121 | 0.281 | 4.651 | FCC |
| **NbTaZrFe** | 1.92 | 1.957 | 11.162 | 5.209 | 1.109 | 4.678 | BCC |
| **NbTaZrHf** | 1.94 | 2.971 | 11.352 | 3.433 | 0.153 | 4.576 | FCC |
| **NbZrAlFe** | 1.704 | -18.7 | 11.042 | 4.986 | 0.124 | 4.696 | FCC |
| **NbZrHfFe** | 1.844 | 1.529 | 11.106 | 5.675 | 0.128 | 4.57 | BCC |
| **NiFeMnLa** | 1.612 | -4.276 | 11.525 | 2.799 | 0.107 | 4.707 | FCC |
| **NiFeMnW** | 1.612 | -4.158 | 11.558 | 2.834 | 0.12 | 4.707 | FCC |
| **NiHfFeLa** | 1.712 | -7.005 | 11.539 | 4.905 | 0.077 | 4.686 | FCC |
| **NiHfFeMn** | 1.612 | -6.439 | 11.545 | 4.668 | 0.115 | 4.707 | BCC |
| **NiMgFeMn** | 1.612 | -4.692 | 11.518 | 3.388 | 0.125 | 4.707 | BCC |
| **NiZrHfMn** | 1.734 | -12.441 | 11.003 | 5.743 | 0.159 | 4.707 | BCC |
| **NiZrMgFe** | 1.532 | -12.867 | 11.573 | 5.486 | 0.098 | 4.685 | BCC |
| **TaHfFeLa** | 1.92 | -2.416 | 11.175 | 5.661 | 0.114 | 4.673 | BCC |
| **TaHfFeW** | 1.92 | -3.68 | 11.289 | 5.623 | 0.197 | 4.673 | BCC |
| **TaHfMgFe** | 1.6 | -3.945 | 11.102 | 6.052 | 0.116 | 4.677 | FCC |
| **TaHfMgW** | 1.92 | -4.169 | 11.131 | 4.723 | 0.205 | 4.671 | BCC |
| **TaNiZrHf** | 1.868 | -12.219 | 11.122 | 4.799 | 0.115 | 4.683 | BCC |
| **TaZrAlFe** | 1.884 | -20.016 | 11.309 | 6.094 | 0.223 | 4.701 | BCC |
| **TaZrFeLa** | 1.816 | -2.386 | 11.144 | 5.488 | 0.283 | 4.673 | FCC |
| **TaZrFeW** | 1.816 | -3.666 | 11.177 | 5.546 | 0.319 | 4.673 | BCC |
| **TaZrHfFe** | 1.884 | -1.527 | 11.256 | 5.854 | 0.122 | 4.644 | FCC |
| **TaZrHfW** | 1.884 | -1.612 | 11.352 | 4.153 | 0.148 | 4.595 | BCC |
| **TaZrMgFe** | 1.6 | -3.361 | 11.144 | 5.892 | 0.283 | 4.677 | BCC |
| **TiCoAlMn** | 1.592 | -20.84 | 12.179 | 4.689 | 0.14 | 4.707 | BCC |
| **TiCoHfFe** | 1.572 | -15.387 | 11.938 | 5.885 | 0.127 | 4.707 | FCC |
| **TiCoHfLa** | 1.572 | -14.705 | 11.848 | 4.836 | 0.135 | 4.707 | BCC |
| **TiCoHfMg** | 1.572 | -14.583 | 11.848 | 5.248 | 0.169 | 4.707 | FCC |
| **TiCoHfW** | 1.572 | -14.538 | 11.837 | 4.697 | 0.194 | 4.707 | BCC |
| **TiCoMgLa** | 1.564 | -14.711 | 11.802 | 5.179 | 0.158 | 4.707 | BCC |
| **TiCoMgMn** | 1.788 | -14.351 | 12.745 | 4.567 | 0.162 | 4.707 | FCC |
| **TiCoMgW** | 1.564 | -14.711 | 11.854 | 5.029 | 0.186 | 4.707 | BCC |
| **TiCoMnLa** | 1.628 | -14.351 | 12.745 | 3.966 | 0.125 | 4.707 | FCC |
| **TiCoMnW** | 1.628 | -14.351 | 12.839 | 3.826 | 0.195 | 4.707 | BCC |
| **TiCoWLa** | 1.884 | -14.711 | 11.854 | 4.443 | 0.192 | 4.707 | BCC |
| **TiCoZrFe** | 1.568 | -20.898 | 12.02 | 5.77 | 0.126 | 4.707 | FCC |
| **TiCoZrMn** | 1.628 | -21.69 | 12.664 | 5.501 | 0.143 | 4.707 | BCC |
| **TiCrMoTa** | 1.57 | -4.485 | 11.843 | 3.751 | 0.198 | 4.891 | BCC |
| **TiCrNbCo** | 1.624 | -13.186 | 12.201 | 4.322 | 0.092 | 4.707 | BCC |
| **TiCrNbHf** | 1.838 | -3.467 | 11.33 | 4.207 | 0.106 | 4.767 | BCC |
| **TiCrNbLa** | 1.59 | -4.411 | 11.233 | 4.095 | 0.088 | 4.843 | BCC |
| **TiCrNbMg** | 1.64 | -4.688 | 11.233 | 5.582 | 0.141 | 4.741 | FCC |
| **TiCrNbMn** | 1.704 | -4.015 | 12.574 | 3.958 | 0.085 | 4.706 | BCC |
| **TiCrNbTa** | 1.8 | -3.845 | 11.362 | 4.065 | 0.123 | 4.837 | BCC |
| **TiCrNbW** | 1.59 | -4.686 | 11.753 | 4.047 | 0.131 | 4.843 | FCC |
| **TiCrNbZr** | 1.8 | -4.622 | 11.534 | 5.791 | 0.105 | 4.722 | FCC |
| **TiCrTaHf** | 1.57 | -2.551 | 11.575 | 4.278 | 0.088 | 4.775 | BCC |
| **TiCrTaLa** | 1.57 | -3.703 | 11.309 | 3.796 | 0.099 | 4.833 | BCC |
| **TiCrTaW** | 1.57 | -4.339 | 11.754 | 3.7 | 0.196 | 4.833 | BCC |
| **TiCrTaZr** | 1.92 | -2.488 | 11.502 | 5.257 | 0.31 | 4.757 | BCC |
| **TiCrZrHf** | 1.732 | -4.166 | 11.716 | 5.087 | 0.127 | 4.682 | BCC |
| **TiHfFeLa** | 1.786 | -5.5 | 11.562 | 5.355 | 0.128 | 4.613 | FCC |
| **TiHfFeMn** | 1.652 | -5.189 | 12.046 | 4.969 | 0.131 | 4.707 | FCC |
| **TiHfFeW** | 1.786 | -5.722 | 11.67 | 5.31 | 0.155 | 4.613 | FCC |
| **TiHfMgLa** | 1.786 | -4.298 | 11.164 | 4.999 | 0.167 | 4.61 | BCC |
| **TiHfMgMn** | 1.652 | -4.187 | 12.59 | 4.581 | 0.169 | 4.706 | FCC |
| **TiHfMgW** | 1.786 | -4.679 | 11.606 | 4.714 | 0.19 | 4.61 | BCC |
| **TiHfMnLa** | 1.652 | -2.705 | 12.59 | 4.033 | 0.123 | 4.707 | FCC |
| **TiHfMnW** | 1.652 | -3.411 | 12.691 | 3.937 | 0.195 | 4.707 | FCC |
| **TiHfWLa** | 1.786 | -3.511 | 11.606 | 4.058 | 0.193 | 4.563 | FCC |
| **TiMgFeLa** | 1.584 | -7.131 | 11.45 | 4.791 | 0.127 | 4.617 | BCC |
| **TiMgFeMn** | 1.54 | -6.354 | 12.079 | 4.501 | 0.134 | 4.706 | BCC |
| **TiMgFeW** | 1.584 | -7.554 | 11.715 | 4.781 | 0.162 | 4.617 | BCC |
| **TiMgMnLa** | 1.644 | -4.752 | 12.581 | 4.481 | 0.159 | 4.705 | FCC |
| **TiMgMnW** | 1.644 | -5.523 | 12.807 | 4.41 | 0.184 | 4.705 | FCC |
| **TiMgWLa** | 1.8 | -5.673 | 11.538 | 4.496 | 0.188 | 4.616 | BCC |
| **TiMnWLa** | 1.964 | -4.075 | 12.807 | 3.57 | 0.192 | 4.706 | BCC |
| **TiMoCoFe** | 1.552 | -15.079 | 12.19 | 5.808 | 0.205 | 4.707 | FCC |
| **TiMoCoLa** | 1.552 | -14.287 | 11.846 | 4.448 | 0.205 | 4.707 | BCC |
| **TiMoCoMg** | 1.552 | -14.287 | 11.846 | 4.999 | 0.206 | 4.707 | BCC |
| **TiMoCoMn** | 1.528 | -14.159 | 12.83 | 3.908 | 0.205 | 4.707 | BCC |
| **TiMoCoW** | 1.552 | -14.287 | 11.814 | 4.235 | 0.21 | 4.707 | FCC |
| **TiMoCoZr** | 1.552 | -21.25 | 12.236 | 5.511 | 0.263 | 4.707 | FCC |
| **TiMoMgMn** | 1.632 | -4.847 | 12.751 | 4.333 | 0.215 | 4.706 | BCC |
| **TiMoNiMn** | 1.616 | -11.436 | 12.416 | 3.938 | 0.219 | 4.707 | FCC |
| **TiMoTaAl** | 1.573 | -12.188 | 11.518 | 8.249 | 0.191 | 4.71 | BCC |
| **TiMoTaCo** | 1.744 | -14.15 | 11.838 | 3.71 | 0.204 | 4.707 | BCC |
| **TiMoTaFe** | 1.884 | -3.987 | 11.778 | 5.137 | 0.188 | 4.722 | BCC |
| **TiMoTaHf** | 1.552 | -1.487 | 11.642 | 3.702 | 0.19 | 4.707 | FCC |
| **TiMoTaLa** | 1.82 | -2.521 | 11.553 | 2.977 | 0.204 | 4.756 | BCC |
| **TiMoTaMg** | 1.884 | -3.329 | 11.55 | 3.911 | 0.202 | 4.721 | BCC |
| **TiMoTaMn** | 1.824 | -2.53 | 12.725 | 3.167 | 0.204 | 4.707 | BCC |
| **TiMoTaNi** | 1.868 | -10.393 | 11.491 | 3.648 | 0.204 | 4.715 | FCC |
| **TiMoTaW** | 1.82 | -4.066 | 11.897 | 3.011 | 0.285 | 4.756 | BCC |
| **TiMoTaZr** | 1.784 | -1.981 | 11.858 | 4.365 | 0.554 | 4.683 | BCC |
| **TiMoZrMn** | 1.632 | -3.936 | 13.085 | 5.144 | 0.265 | 4.707 | FCC |
| **TiNbAlMn** | 1.898 | -16.865 | 11.904 | 3.462 | 0.053 | 4.707 | FCC |
| **TiNbCoAl** | 1.818 | -17.664 | 11.424 | 3.307 | 0.06 | 4.707 | BCC |
| **TiNbCoFe** | 1.802 | -12.834 | 12.01 | 5.107 | 0.112 | 4.707 | FCC |
| **TiNbCoHf** | 1.606 | -13.352 | 11.879 | 3.741 | 0.103 | 4.707 | FCC |
| **TiNbCoLa** | 1.914 | -13.39 | 11.82 | 3.852 | 0.07 | 4.707 | FCC |
| **TiNbCoMg** | 1.914 | -13.39 | 11.82 | 4.383 | 0.122 | 4.707 | BCC |
| **TiNbCoMn** | 1.788 | -12.929 | 12.59 | 3.579 | 0.069 | 4.707 | FCC |
| **TiNbCoW** | 1.914 | -13.207 | 11.817 | 3.752 | 0.143 | 4.707 | BCC |
| **TiNbCoZr** | 1.724 | -21.578 | 11.933 | 3.766 | 0.096 | 4.707 | BCC |
| **TiNbFeMn** | 1.882 | -0.353 | 12.288 | 3.99 | 0.11 | 4.706 | BCC |
| **TiNbHfFe** | 1.674 | 0.219 | 11.643 | 5.141 | 0.121 | 4.613 | FCC |
| **TiNbHfLa** | 1.674 | 1.069 | 11.239 | 3.257 | 0.095 | 4.55 | BCC |
| **TiNbHfMg** | 1.674 | 0.517 | 11.239 | 3.833 | 0.138 | 4.61 | FCC |
| **TiNbHfMn** | 1.686 | 0.996 | 12.435 | 3.289 | 0.095 | 4.706 | FCC |
| **TiNbHfW** | 1.674 | 0.132 | 11.6 | 3.196 | 0.137 | 4.55 | FCC |
| **TiNbMgFe** | 1.718 | -1.082 | 11.549 | 4.639 | 0.124 | 4.636 | FCC |
| **TiNbMgMn** | 1.994 | -0.054 | 12.38 | 3.906 | 0.12 | 4.704 | BCC |
| **TiNbMnLa** | 1.994 | 0.564 | 12.38 | 3.164 | 0.055 | 4.706 | BCC |
| **TiNbMnW** | 1.994 | -1.235 | 12.724 | 3.152 | 0.14 | 4.706 | BCC |
| **TiNbMoCo** | 1.572 | -13.483 | 11.946 | 3.742 | 0.183 | 4.707 | BCC |
| **TiNbMoFe** | 1.676 | -3.402 | 11.821 | 5.032 | 0.212 | 4.748 | FCC |
| **TiNbMoHf** | 1.684 | -1.964 | 11.642 | 3.271 | 0.194 | 4.72 | BCC |
| **TiNbMoLa** | 1.676 | -2.858 | 11.431 | 3.14 | 0.189 | 4.817 | BCC |
| **TiNbMoMg** | 1.872 | -3.309 | 11.431 | 4.012 | 0.191 | 4.747 | BCC |
| **TiNbMoMn** | 1.652 | -2.816 | 12.788 | 3.164 | 0.188 | 4.706 | FCC |
| **TiNbMoNi** | 1.716 | -9.489 | 11.486 | 3.71 | 0.194 | 4.727 | BCC |
| **TiNbMoTa** | 1.98 | -2.543 | 11.512 | 2.995 | 0.291 | 4.773 | BCC |
| **TiNbMoW** | 1.676 | -4.737 | 11.898 | 2.969 | 0.189 | 4.817 | FCC |
| **TiNbMoZr** | 1.684 | -2.879 | 12.699 | 5.086 | 0.246 | 4.665 | BCC |
| **TiNbNiHf** | 1.674 | -9.489 | 11.453 | 3.867 | 0.107 | 4.672 | BCC |
| **TiNbNiMg** | 1.932 | -8.612 | 11.225 | 4.43 | 0.131 | 4.683 | FCC |
| **TiNbNiZr** | 1.808 | -9.146 | 11.7 | 4.435 | 0.108 | 4.647 | BCC |
| **TiNbTaCo** | 1.724 | -13.822 | 11.736 | 3.632 | 0.122 | 4.707 | FCC |
| **TiNbTaFe** | 1.98 | 0.155 | 11.594 | 4.304 | 0.118 | 4.681 | BCC |
| **TiNbTaHf** | 1.98 | 1.431 | 11.477 | 3.271 | 0.099 | 4.635 | BCC |
| **TiNbTaLa** | 1.98 | 0.997 | 11.126 | 3.063 | 0.121 | 4.676 | BCC |
| **TiNbTaMg** | 1.98 | 0.299 | 11.126 | 3.837 | 0.135 | 4.68 | BCC |
| **TiNbTaMn** | 1.804 | 0.982 | 12.46 | 3.108 | 0.121 | 4.707 | BCC |
| **TiNbTaNi** | 1.98 | -8.454 | 11.283 | 3.669 | 0.125 | 4.699 | BCC |
| **TiNbTaW** | 1.98 | -1.545 | 11.499 | 2.982 | 0.314 | 4.676 | FCC |
| **TiNbTaZr** | 1.92 | 2.49 | 11.525 | 4.058 | 1.905 | 4.582 | BCC |
| **TiNbZrAl** | 1.86 | -17.282 | 11.499 | 4.828 | 0.094 | 4.671 | BCC |
| **TiNbZrFe** | 1.808 | 1.148 | 11.647 | 5.114 | 0.126 | 4.553 | FCC |
| **TiNbZrMn** | 1.804 | 2.015 | 12.184 | 3.615 | 0.089 | 4.706 | BCC |
| **TiNiHfLa** | 1.716 | -14.545 | 11.427 | 4.818 | 0.13 | 4.674 | FCC |
| **TiNiHfMn** | 1.56 | -14.092 | 12.459 | 4.272 | 0.13 | 4.707 | BCC |
| **TiNiHfW** | 1.716 | -14.129 | 11.79 | 4.547 | 0.192 | 4.674 | FCC |
| **TiNiMgLa** | 1.732 | -13.554 | 11.307 | 4.971 | 0.164 | 4.68 | FCC |
| **TiNiMgMn** | 1.536 | -12.961 | 12.394 | 4.378 | 0.163 | 4.707 | BCC |
| **TiNiMgW** | 1.732 | -13.554 | 11.64 | 4.786 | 0.186 | 4.68 | FCC |
| **TiNiZrHf** | 1.716 | -17.024 | 11.9 | 6.363 | 0.144 | 4.643 | BCC |
| **TiNiZrLa** | 1.744 | -15.808 | 11.79 | 7.477 | 0.142 | 4.651 | FCC |
| **TiNiZrMg** | 1.532 | -15.96 | 11.785 | 7.251 | 0.169 | 4.669 | BCC |
| **TiNiZrMn** | 1.648 | -15.781 | 12.222 | 6.741 | 0.145 | 4.707 | BCC |
| **TiNiZrW** | 1.744 | -15.795 | 11.788 | 6.977 | 0.203 | 4.651 | FCC |
| **TiTaAlFe** | 1.573 | -12.991 | 11.446 | 8.138 | 0.102 | 4.7 | BCC |
| **TiTaCoFe** | 1.744 | -15.152 | 12.006 | 5.269 | 0.102 | 4.707 | BCC |
| **TiTaCoHf** | 1.744 | -14.136 | 11.867 | 4.216 | 0.092 | 4.707 | BCC |
| **TiTaCoLa** | 1.744 | -14.823 | 11.773 | 3.7 | 0.091 | 4.707 | FCC |
| **TiTaCoMg** | 1.744 | -14.823 | 11.773 | 4.288 | 0.102 | 4.707 | FCC |
| **TiTaCoMn** | 1.628 | -14.127 | 12.703 | 3.399 | 0.091 | 4.707 | FCC |
| **TiTaCoW** | 1.744 | -14.823 | 11.754 | 3.673 | 0.215 | 4.707 | BCC |
| **TiTaCoZr** | 1.744 | -21.504 | 11.887 | 4.556 | 0.425 | 4.707 | BCC |
| **TiTaFeLa** | 1.92 | -3.307 | 11.565 | 4.358 | 0.099 | 4.675 | BCC |
| **TiTaFeMn** | 1.824 | -3.073 | 12.151 | 4.066 | 0.105 | 4.707 | FCC |
| **TiTaFeW** | 1.92 | -4.832 | 11.698 | 4.403 | 0.201 | 4.675 | FCC |
| **TiTaHfFe** | 1.764 | -2.246 | 11.607 | 5.206 | 0.099 | 4.664 | FCC |
| **TiTaHfLa** | 1.764 | -0.416 | 11.374 | 3.647 | 0.088 | 4.641 | FCC |
| **TiTaHfMg** | 1.764 | -1.511 | 11.309 | 4.525 | 0.094 | 4.662 | FCC |
| **TiTaHfMn** | 1.824 | -0.561 | 12.498 | 3.57 | 0.088 | 4.707 | BCC |
| **TiTaHfW** | 1.764 | -1.583 | 11.563 | 3.603 | 0.198 | 4.641 | BCC |
| **TiTaMgFe** | 1.6 | -4.611 | 11.565 | 4.795 | 0.105 | 4.67 | BCC |
| **TiTaMgLa** | 1.92 | -2.416 | 11.149 | 3.886 | 0.1 | 4.674 | BCC |
| **TiTaMgMn** | 1.824 | -2.477 | 12.543 | 3.89 | 0.1 | 4.706 | FCC |
| **TiTaMgW** | 1.92 | -3.761 | 11.512 | 3.902 | 0.2 | 4.674 | FCC |
| **TiTaMnLa** | 1.824 | -1.213 | 12.543 | 3.234 | 0.091 | 4.707 | BCC |
| **TiTaMnW** | 1.824 | -2.835 | 12.615 | 3.192 | 0.215 | 4.707 | BCC |
| **TiTaNiHf** | 1.868 | -12.046 | 11.495 | 3.908 | 0.089 | 4.692 | BCC |
| **TiTaNiMg** | 1.884 | -11.073 | 11.318 | 4.151 | 0.1 | 4.696 | BCC |
| **TiTaNiZr** | 1.868 | -12.901 | 11.666 | 5.719 | 0.426 | 4.682 | BCC |
| **TiTaWLa** | 1.92 | -2.918 | 11.512 | 3.04 | 0.215 | 4.672 | BCC |
| **TiTaZrFe** | 1.816 | -1.411 | 11.653 | 5.18 | 0.359 | 4.639 | BCC |
| **TiTaZrHf** | 1.728 | 1.372 | 11.541 | 3.764 | 0.135 | 4.558 | BCC |
| **TiTaZrLa** | 1.92 | 0.427 | 11.46 | 4.414 | 0.423 | 4.594 | BCC |
| **TiTaZrMg** | 1.92 | -0.677 | 11.46 | 4.816 | 0.359 | 4.637 | FCC |
| **TiTaZrMn** | 1.824 | 0.172 | 12.021 | 4.537 | 0.423 | 4.707 | FCC |
| **TiTaZrW** | 1.92 | -0.526 | 11.47 | 4.518 | 0.4 | 4.594 | FCC |
| **TiVAlLa** | 1.593 | -17.234 | 11.497 | 4.38 | 0.104 | 4.681 | BCC |
| **TiVAlW** | 1.593 | -17.024 | 11.357 | 4.112 | 0.14 | 4.681 | BCC |
| **TiVCoFe** | 1.624 | -15.779 | 12.135 | 5.42 | 0.119 | 4.707 | BCC |
| **TiVCoHf** | 1.726 | -15.039 | 12.157 | 4.49 | 0.123 | 4.707 | BCC |
| **TiVCoMg** | 1.624 | -15.144 | 11.941 | 4.724 | 0.146 | 4.707 | BCC |
| **TiVCoMn** | 1.788 | -14.712 | 12.863 | 3.709 | 0.114 | 4.707 | FCC |
| **TiVCoZr** | 1.724 | -21.66 | 12.21 | 5.608 | 0.135 | 4.707 | BCC |
| **TiVCrHf** | 1.534 | -4.236 | 11.892 | 4.501 | 0.311 | 4.82 | FCC |
| **TiVCrNb** | 1.59 | -4.323 | 11.606 | 4.584 | 0.277 | 4.907 | FCC |
| **TiVCrTa** | 1.57 | -3.854 | 11.58 | 3.596 | 0.095 | 4.879 | FCC |
| **TiVCrZr** | 1.57 | -5.2 | 11.746 | 5.312 | 0.307 | 4.777 | BCC |
| **TiVFeLa** | 1.83 | -5.857 | 11.794 | 4.274 | 0.11 | 4.606 | FCC |
| **TiVFeMn** | 1.704 | -5.497 | 12.458 | 4.134 | 0.109 | 4.707 | FCC |
| **TiVFeW** | 1.83 | -6.484 | 11.752 | 4.274 | 0.156 | 4.606 | FCC |
| **TiVHfFe** | 1.956 | -5.074 | 11.823 | 5.243 | 0.127 | 4.59 | BCC |
| **TiVHfLa** | 1.956 | -2.894 | 11.753 | 4.212 | 0.105 | 4.526 | FCC |
| **TiVHfMn** | 1.806 | -2.875 | 12.737 | 4.026 | 0.109 | 4.707 | BCC |
| **TiVHfW** | 1.956 | -3.423 | 11.579 | 3.972 | 0.173 | 4.526 | BCC |
| **TiVMgFe** | 1.83 | -6.489 | 11.794 | 4.807 | 0.13 | 4.602 | FCC |
| **TiVMgLa** | 1.83 | -4.746 | 11.572 | 4.391 | 0.14 | 4.602 | BCC |
| **TiVMgMn** | 1.704 | -4.833 | 12.197 | 4.182 | 0.145 | 4.706 | BCC |
| **TiVMgW** | 1.83 | -5.255 | 11.509 | 4.157 | 0.18 | 4.602 | FCC |
| **TiVMoMg** | 1.504 | -4.855 | 11.545 | 4.063 | 0.217 | 4.747 | FCC |
| **TiVMoMn** | 1.568 | -3.986 | 12.277 | 3.196 | 0.22 | 4.707 | FCC |
| **TiVMoNi** | 1.632 | -13.134 | 11.709 | 3.973 | 0.222 | 4.731 | BCC |
| **TiVMoTa** | 1.94 | -2.78 | 11.531 | 2.721 | 0.198 | 4.788 | BCC |
| **TiVMoZr** | 1.728 | -4.089 | 11.727 | 4.667 | 0.223 | 4.669 | BCC |
| **TiVNbAl** | 1.759 | -16.102 | 11.534 | 2.812 | 0.029 | 4.689 | BCC |
| **TiVNbCo** | 1.734 | -13.566 | 11.893 | 4.469 | 0.067 | 4.707 | BCC |
| **TiVNbMn** | 1.814 | -0.83 | 12.298 | 3.895 | 0.056 | 4.706 | FCC |
| **TiVNbMo** | 1.794 | -2.78 | 11.57 | 3.55 | 0.192 | 4.9 | FCC |
| **TiVNiHf** | 1.962 | -14.836 | 11.994 | 4.537 | 0.122 | 4.666 | FCC |
| **TiVNiMg** | 1.544 | -14.221 | 11.682 | 4.671 | 0.152 | 4.678 | BCC |
| **TiVNiZr** | 1.812 | -17.082 | 11.897 | 8.145 | 0.142 | 4.642 | BCC |
| **TiVTaAl** | 1.709 | -11.119 | 11.416 | 8.074 | 0.096 | 4.699 | BCC |
| **TiVTaCo** | 1.844 | -15.061 | 11.885 | 3.468 | 0.082 | 4.707 | BCC |
| **TiVTaMn** | 1.924 | -1.763 | 12.195 | 3.166 | 0.08 | 4.707 | FCC |
| **TiVTaZr** | 1.96 | -0.577 | 11.533 | 4.493 | 0.338 | 4.583 | BCC |
| **TiVZrAl** | 1.553 | -16.509 | 11.605 | 6.898 | 0.131 | 4.665 | BCC |
| **TiVZrFe** | 1.864 | -5.321 | 11.866 | 5.367 | 0.134 | 4.531 | BCC |
| **TiVZrMn** | 1.804 | -3.51 | 12.352 | 5.431 | 0.124 | 4.707 | FCC |
| **TiZrAlLa** | 1.553 | -19.378 | 11.51 | 7.496 | 0.151 | 4.671 | BCC |
| **TiZrAlW** | 1.553 | -19.343 | 11.54 | 7.384 | 0.183 | 4.671 | FCC |
| **TiZrFeLa** | 1.744 | -5.519 | 11.692 | 5.492 | 0.13 | 4.558 | BCC |
| **TiZrFeMn** | 1.648 | -5.479 | 12.213 | 5.039 | 0.132 | 4.707 | BCC |
| **TiZrFeW** | 1.744 | -5.71 | 11.717 | 5.392 | 0.156 | 4.558 | BCC |
| **TiZrHfFe** | 1.732 | -4.579 | 11.72 | 5.539 | 0.14 | 4.541 | FCC |
| **TiZrHfMg** | 1.732 | -3.335 | 11.672 | 4.951 | 0.16 | 4.539 | BCC |
| **TiZrHfMn** | 1.632 | -2.266 | 12.385 | 4.756 | 0.128 | 4.707 | FCC |
| **TiZrMgAl** | 1.533 | -15.924 | 11.51 | 7.767 | 0.187 | 4.678 | BCC |
| **TiZrMgFe** | 1.584 | -5.936 | 11.692 | 5.835 | 0.141 | 4.599 | BCC |
| **TiZrMgMn** | 1.964 | -4.128 | 12.244 | 5.493 | 0.168 | 4.706 | BCC |
| **TiZrMnLa** | 1.804 | -3.02 | 12.244 | 5.354 | 0.129 | 4.707 | BCC |
| **TiZrMnW** | 1.804 | -3.581 | 12.244 | 5.164 | 0.204 | 4.707 | BCC |
| **VCoHfFe** | 1.726 | -12.076 | 11.521 | 4.466 | 0.104 | 4.707 | BCC |
| **VCoNiFe** | 1.532 | -10.041 | 11.588 | 1.868 | 0.09 | 4.707 | BCC |
| **VCoNiMn** | 1.576 | -8.537 | 11.235 | 3.033 | 0.115 | 4.707 | FCC |
| **VCoZrFe** | 1.688 | -16.095 | 11.613 | 4.943 | 0.106 | 4.707 | BCC |
| **VCrMoTa** | 1.55 | -4.85 | 11.473 | 2.935 | 0.215 | 4.92 | BCC |
| **VCrNbCo** | 1.624 | -11.639 | 11.159 | 3.544 | 0.213 | 4.707 | BCC |
| **VCrNbHf** | 1.838 | -3.578 | 11.195 | 4.199 | 0.266 | 4.807 | FCC |
| **VCrNbMn** | 1.704 | -3.987 | 11.154 | 3.535 | 0.219 | 4.706 | BCC |
| **VCrNbTa** | 1.8 | -4.332 | 11.138 | 3.384 | 0.127 | 4.879 | FCC |
| **VCrTaHf** | 1.57 | -3 | 11.277 | 3.685 | 0.126 | 4.791 | FCC |
| **VCrTaW** | 1.55 | -4.226 | 11.252 | 2.549 | 0.202 | 4.863 | BCC |
| **VHfFeLa** | 1.932 | -3.983 | 11.146 | 5.426 | 0.108 | 4.633 | BCC |
| **VHfFeMn** | 1.806 | -3.052 | 11.174 | 5.234 | 0.117 | 4.707 | FCC |
| **VHfFeW** | 1.932 | -4.49 | 11.122 | 5.428 | 0.158 | 4.633 | BCC |
| **VHfMgFe** | 1.6 | -4.897 | 11.146 | 6.029 | 0.129 | 4.638 | BCC |
| **VMgFeLa** | 1.548 | -4.484 | 11.162 | 4.028 | 0.115 | 4.643 | BCC |
| **VMgFeMn** | 1.54 | -3.619 | 11.194 | 3.941 | 0.123 | 4.707 | FCC |
| **VMoCoMg** | 1.768 | -7.7 | 11.244 | 4.172 | 0.187 | 4.707 | BCC |
| **VMoCoMn** | 1.548 | -7.378 | 11.1 | 2.967 | 0.181 | 4.707 | BCC |
| **VMoCoZr** | 1.552 | -17.299 | 11.355 | 5.398 | 0.235 | 4.707 | FCC |
| **VMoHfMn** | 1.632 | -3.288 | 11.411 | 4.013 | 0.196 | 4.707 | BCC |
| **VMoMgFe** | 1.504 | -5.346 | 11.284 | 5.341 | 0.2 | 4.708 | BCC |
| **VMoMgMn** | 1.848 | -4.182 | 11.087 | 4.032 | 0.193 | 4.707 | FCC |
| **VMoNiLa** | 1.632 | -8.767 | 11.09 | 3.423 | 0.197 | 4.738 | FCC |
| **VMoNiW** | 1.632 | -8.584 | 11.078 | 3.229 | 0.208 | 4.738 | BCC |
| **VMoTaCo** | 1.724 | -9.863 | 11.334 | 3.125 | 0.219 | 4.707 | FCC |
| **VMoTaFe** | 1.82 | -4.102 | 11.563 | 4.36 | 0.206 | 4.745 | FCC |
| **VMoTaHf** | 1.784 | -2.996 | 11.692 | 4.078 | 0.222 | 4.733 | FCC |
| **VMoTaLa** | 1.82 | -3.592 | 11.457 | 2.928 | 0.221 | 4.802 | BCC |
| **VMoTaMg** | 1.82 | -4.59 | 11.512 | 3.9 | 0.214 | 4.745 | BCC |
| **VMoTaMn** | 1.804 | -3.213 | 11.523 | 3.045 | 0.221 | 4.707 | FCC |
| **VMoTaNi** | 1.82 | -8.992 | 11.382 | 3.238 | 0.218 | 4.725 | BCC |
| **VMoTaW** | 1.82 | -5.037 | 11.439 | 2.873 | 0.298 | 4.802 | FCC |
| **VMoTaZr** | 1.864 | -3.549 | 11.595 | 4.422 | 0.345 | 4.748 | BCC |
| **VNbHfFe** | 1.982 | -1.411 | 11.5 | 5.486 | 0.111 | 4.656 | FCC |
| **VNbMgFe** | 1.75 | -2.61 | 11.149 | 4.293 | 0.114 | 4.678 | BCC |
| **VNbMoFe** | 1.704 | -3.224 | 11.475 | 4.408 | 0.186 | 4.813 | FCC |
| **VNbMoHf** | 1.884 | -2.199 | 11.428 | 4.28 | 0.18 | 4.791 | BCC |
| **VNbMoNi** | 1.632 | -9.555 | 11.056 | 3.713 | 0.179 | 4.753 | BCC |
| **VNbMoTa** | 1.82 | -3.249 | 11.507 | 3.389 | 0.251 | 4.84 | FCC |
| **VNbNiHf** | 1.982 | -7.736 | 11.162 | 5.144 | 0.138 | 4.689 | BCC |
| **VNbTaFe** | 1.96 | -1.753 | 11.482 | 3.917 | 0.119 | 4.725 | FCC |
| **VNbTaHf** | 1.94 | -0.636 | 11.149 | 4.276 | 0.129 | 4.686 | FCC |
| **VNbZrFe** | 1.89 | -1.351 | 11.264 | 5.582 | 0.122 | 4.678 | FCC |
| **VNiHfMn** | 1.806 | -7.346 | 11.143 | 3.987 | 0.131 | 4.707 | FCC |
| **VNiZrHf** | 1.892 | -13.727 | 11.027 | 6.639 | 0.147 | 4.66 | BCC |
| **VTaCoFe** | 1.724 | -9.474 | 11.565 | 2.73 | 0.118 | 4.707 | BCC |
| **VTaFeLa** | 1.9 | -3.075 | 11.219 | 3.675 | 0.116 | 4.704 | FCC |
| **VTaFeMn** | 1.804 | -2.362 | 11.3 | 3.559 | 0.117 | 4.707 | BCC |
| **VTaFeW** | 1.9 | -4.491 | 11.175 | 3.78 | 0.229 | 4.704 | FCC |
| **VTaHfFe** | 1.884 | -2.863 | 11.403 | 5.446 | 0.12 | 4.678 | FCC |
| **VTaMgFe** | 1.58 | -4.252 | 11.219 | 4.144 | 0.12 | 4.684 | BCC |
| **VTaNiHf** | 1.884 | -7.925 | 11.285 | 4.097 | 0.124 | 4.698 | BCC |
| **VTaZrFe** | 1.92 | -3.089 | 11.489 | 5.173 | 0.287 | 4.682 | BCC |
| **VZrFeLa** | 1.72 | -4.801 | 11.387 | 5.458 | 0.121 | 4.64 | BCC |
| **VZrFeMn** | 1.768 | -4.061 | 11.371 | 5.312 | 0.122 | 4.707 | FCC |
| **VZrFeW** | 1.72 | -5.003 | 11.379 | 5.367 | 0.156 | 4.64 | BCC |
| **VZrHfFe** | 1.892 | -4.192 | 11.255 | 5.689 | 0.131 | 4.583 | BCC |
| **VZrMgFe** | 1.704 | -5.516 | 11.387 | 5.944 | 0.136 | 4.64 | BCC |
| **ZrHfFeW** | 1.892 | -4.632 | 11.027 | 5.776 | 0.156 | 4.583 | BCC |