

RICT-Sol RICT 汎用合金データベース v2.1

RICT-Sol_v2.1 はいろいろな合金系の相平衡・状態図を CaTCalc で計算するために用いることを目的に、 CALPHAD(CALculation of PHAse Diagrams)法に基づいて構築された熱力学パラメータデータベースです。

1. 取り扱える元素成分

現在のところ取り扱える成分としては 以下の 80 元素です。

Ag Al Am As Au B Ba Be Bi C Ca Cd Ce Co Cr Cs Cu Dy Er Eu F Fe Ga Gd Ge
 H Hf Hg Ho In Ir K La Li Lu Mg Mn Mo N Na Nb Nd Ni Np O Os P Pa Pb Pd
 Pr Pt Pu Rb Re Rh Ru S Sb Sc Se Si Sm Sn Sr Ta Tb Tc Te Th Ti Tl Tm U V W
 Y Yb Zn Zr

2. 合金系

RICT-Sol_v2.1 には、表 1(3 ページ)に示している 638 の組み合わせの二元系および表 2 に示す 181 の三元系についての熱力学パラメータが含まれています。これら以外の三元系や多元系についても予測計算することができます。(ただし、P については約 35mol%P 以下)

表 2 計算可能な三元系(アルファベット順)

Ag-Al-Cu	Ag-Au-Bi	Ag-Au-Ge	Ag-Au-Sb	Ag-Bi-Sn	Ag-Cu-Ni	Ag-Cu-Pb	Ag-Cu-Sn
Ag-In-Sn	Ag-Ni-Sn	Ag-Pb-Fe	Ag-Sn-Zn	Al-Ba-Ni	Al-C-Si	Al-Ca-Fe	Al-Ca-Si
Al-Ce-Nd	Al-Cu-Er	Al-Cu-Li	Al-Cu-Mg	Al-Cu-Si	Al-Dy-Mg	Al-Er-Mg	Al-Fe-Mn
Al-Fe-Si	Al-Ga-In	Al-Ga-Sn	Al-Gd-Mg	Al-Ho-Mg	Al-Mg-Sc	Al-Mg-Si	Al-Mg-Zn
Al-Si-U	Al-Si-Zn	Al-Sn-Zn	As-Cu-Ni	Au-Bi-Sb	Au-Ge-Ni	Au-Ge-Sn	Au-In-Pb
Au-In-Sb	Au-In-Sn	Au-Ni-Sn	B-Fe-Nd	B-Hf-Ti	Ba-Ni-Ti	Bi-Hg-Pb	Bi-In-Pb
Bi-In-Sn	Bi-Pb-Sn	Bi-Sb-Sn	Bi-Sn-Zn	C-Co-Cr	C-Co-Fe	C-Co-Ni	C-Co-W
C-Cr-Fe	C-Cr-Mn	C-Cr-Mo	C-Cr-N	C-Cr-Ni	C-Cr-Si	C-Cr-Ti	C-Cr-V
C-Cr-W	C-Fe-Mn	C-Fe-Mo	C-Fe-N	C-Fe-Nb	C-Fe-Ni	C-Fe-Si	C-Fe-Ti
C-Fe-V	C-Fe-W	C-Fe-Zr	C-Mn-Si	C-Mn-V	C-Mo-N	C-Mo-Ti	C-Mo-V
C-Mo-W	C-N-Nb	C-N-Ta	C-N-Ti	C-N-W	C-Nb-Ti	C-Nb-W	C-Ni-Si
C-Ni-Ti	C-Ni-W	C-Pd-Si	C-Pu-U	C-Si-Ti	C-Ta-W	C-Ta-Zr	C-Ti-W
C-V-W	Ca-Fe-Si	Ca-Li-Na	Ca-Mg-Sr	Ca-Sr-Zn	Cd-Ga-In	Cd-Hg-Te	Ce-La-Ni
Ce-Mg-Y	Co-Cr-W	Co-Fe-Gd	Co-Fe-N	Co-Fe-Ni	Co-Fe-W	Co-Ni-W	Cr-Fe-Mn
Cr-Fe-N	Cr-Fe-Ni	Cr-Fe-P	Cr-Fe-Si	Cr-Fe-Ti	Cr-Fe-V	Cr-Fe-W	Cr-Mn-N
Cr-Mo-N	Cr-Mo-Ni	Cr-Mo-W	Cr-N-Ni	Cr-N-V	Cr-N-W	Cr-Ni-W	Cr-Mo-W
Cr-Si-Ti	Cr-Ta-W	Cr-Ti-V	Cu-Fe-Ni	Cu-Fe-P	Cu-In-Sn	Cu-Ni-Pb	Cu-Pb-Zn

(つづく)

表2(つづき) 計算可能な三元系(アルファベット順)

Cu-Y-Zr	Dy-Fe-Tb	Fe-Mn-N	Fe-Mn-Si	Fe-Mn-V	Fe-Mo-Ni	Fe-Mo-W	Fe-N-Ni
Fe-N-Ti	Fe-Ni-Ti	Fe-Ni-W	Fe-Pu-U	Fe-Si-Zn	Fe-Si-Zr	Fe-Ti-W	Fe-U-Zr
Ga-Ge-Pt	Ga-In-Sb	Gd-Mg-Y	Ge-Ru-Si	Ge-Ru-Sn	In-Sb-Sn	In-Sn-Zn	Mg-Nd-Y
Mg-Pr-Y	Mn-Y-Zr	Mo-Nb-Ta	Mo-N-Ti	Ge-Ru-Sn	In-Sb-Sn	In-Sn-Zn	Mg-Nd-Y
N-Ta-W	Nb-Si-Sn	Nb-Ti-V	Nb-Ti-Zr	Nd-Pr-Sb	Ni-Si-Ti	Pb-Pd-Sn	Pb-Sb-Sn
Pb-Sn-Zn	Pu-U-Zr	Ru-Si-Sn	Si-Ta-V	Sn-Ti-Zn			

3. 使用上の注意

RICT-Sol_v2 には GAS 相が含まれていません。GAS 相が必要な合金系の場合には IdealGas データベースなどと共に用いてください。

表1 計算可能な二元系（ただし、*印は約35mol%P以下まで）

4. 相の種類と構成

本データベースを構成している相の種類とその構成成分を以下に示します。

1) 液相と一次固溶体相

相名	副格子と構成成分 (Va は空格子点)
LIQUID	(Ag, Ag ₂ Te, Al, AlN, Am, As, Au, B, Ba, Be, Bi, C, Ca, Cd, CdTe, Ce, CeGa, Co, Cr, Cr ₃ Ge, Cs, Cu, Cu ₂ O, Cu ₂ S, CuO, Dy, Er, Eu, Fe, Ga, Gd, Ge, GeTe, H, Hf, Hg, HgTe, Ho, In, Ir, K, La, Li, LiH, Lu, Mg, Mg ₂ Sn, Mn, Mo, N, NiU, Na, Nb, Nd, Ni, Np, O, Os, P, Pa, Pb, PbTe, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Se, Si, Sm, Sn, Sr, Ta, Tb, Tc, Te, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr) ₁
BCC_A2	(Ag, Al, Am, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Ho, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, Np, O, Os, P, Pa, Pb, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Tc, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr) ₁ (B, C, H, N, Va) ₃
FCC_A1	(Ag, Al, Am, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, Np, O, Os, P, Pb, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Tc, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr) ₁ (B, C, H, N, Va) ₁
HCP_A3	(Ag, Al, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Lu, Mg, Mn, Mo, Na, Nb, Nd, Ni, Np, Os, Pb, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Tc, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr) ₁ (B, C, N, Va) _{0.5}
ALPHA_PU	(Al, Pu, Zr) ₁
ALPHA_RHOMBO_B	(B) ₁
BCT_A5	(Ag, Al, Bi, Cd, Cu, Ga, Ge, In, Ni, Pb, Pd, Sb, Sn, Ti, Zn) ₁ βSn
BCT_AA	(Pa) ₁ αPa
BETA_PU	(Pu, U, Zr) ₁
BETA_RHOMB_BCSI	(B) ₉₃ (B, C, Cu, Si) ₁₂
BETA_RHOMBO_B	(B, Mn) ₁
CBCC_A12	(Al, Co, Cr, Cu, Fe, Ho, Mg, Mn, Mo, Ni, Si, Sm, Sn, Sr, Ti, V, Zn, Zr) ₁ (B, C, N, Va) ₁ αMn
CUB_A13	(Ag, Al, Ce, Co, Cr, Cu, Fe, Ho, Mg, Mn, Mo, Ni, Si, Sm, Sn, Sr, Ti, V, Zn, Zr) ₁ (B, C, N, Va) ₁ βMn
DHCP	(Al, Am, Au, Bi, Ce, Co, Cu, Ge, In, La, Mg, Mn, Nd, Ni, Pr, Sc, Sn, Y, Zn, Zr) ₁ αAm, αLa, αNd, αPr
DIAMOND_A4	(Ag, Al, B, Bi, C, Ga, Ge, In, P, Pb, Pd, Ru, S, Sb, Si, Sn, Ti, Tl, Zn) ₁
GAMMA_PU	(Al, Pu, U, Zr) ₁
GRAPHITE	(B, C) ₁
	(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
HCP_ZN	(Ag, Al, Au, Bi, Cd, Cr, Cu, Fe, Ga, Hg, In, Mg, Mn, Ni, Pb, Pd, Si, Sn, Ti, Zn) ₁ (Va) _{0.5}	
HEXAGONAL_A8	(Se, Te) ₁	Se, Te
MONOCLINIC	(S) ₁	βS
ORTHORHOMBIC_A20	(Al, Co, Fe, Ni, Pu, Si, U, Zr) ₁	αU
ORTHORHOMBIC_AC	(Np, Zr) ₁	αNp
ORTHORHOMBIC_GA	(Ga) ₁	
ORTHORHOMBIC_S	(S) ₁	αS
RED_P	(As, P) ₁	
RHOMBOHEDRAL_A10	(Bi, Cd, Hg, In, Pb, Zn) ₁	(Hg)
RHOMBOHEDRAL_A7	(As, Au, Bi, Ge, In, Nd, P, Pb, Pd, Sb, Sn, Tb, Tm, Y, Zn) ₁	As, Bi, Sb
RHOMBOHEDRAL_C19	(Al, Co, Mn, Pd, Sm) ₁	αSm
TETRAGONAL_A6	(Bi, Cd, Fe, Ga, Hg, In, Pb, Pu, Sn, U, Zn, Zr) ₁	In, δ'Pu
TETRAGONAL_AD	(Np, Zr) ₁	βNp
TETRAGONAL_U	(Al, Co, Fe, Ni, Pu, Si, U, V, Zr) ₁	βU
WHITE_P	(P) ₁	

2) 規則相

相名	副格子と構成成分 (Va は空格子点)	
BCC_B2	(Ag, Al, Am, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Ho, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, Np, O, Os, P, Pa, Pb, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Tc, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr) _{0.5} (Ag, Al, Am, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Ho, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, Np, O, Os, P, Pa, Pb, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Tc, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr) _{0.5} (B, C, H, N, Va) ₃	
FCC_L10	(Al, Ga, Mn, Mo, Nb, Ni, Ta, Ti, V, W) ₁ (Al, Ga, Mn, Mo, Nb, Ni, Ta, Ti, V, W) ₁	
FCC_L102	(Ag, Au, Co, Cu, Mg, V) _{0.25} (Ag, Au, Co, Cu, Mg, V) _{0.25} ((Ag, Au, Co, Cu, Mg, V) _{0.25} (Ag, Au, Co, Cu, Mg, V) _{0.25} (Va) ₁)	
FCC_L12	(Ag, Al, Am, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, O, Os, P, Pb, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Tc, Th, Ti, Tl, Tm, U, V, W, Y, Yb, Zn, Zr) _{0.75} (Ag, Al, Am, As, Au, Ba, Be, Bi, Ca, Cd, Ce, Co, Cr, Cs, Cu, Dy, Er, Eu, Fe, Ga, Gd, Ge, Hf, Hg, Ho, In, Ir, K, La, Li, Mg, Mn, Mo, Na, Nb, Nd, Ni, O, Os, P, Pb, Pd, Pr, Pt, Pu, Rb, Re, Rh, Ru, S, Sb, Sc, Si, Sm, Sn, Sr, Ta, Tb, Tc, Th, Ti, Tl, U, V, W, Y, Yb, Zn, Zr) _{0.25} (B, C, H, N, Va) ₁	
HCP_ORD	(Co, V) _{0.25} (Co, V) _{0.25} (Co, V) _{0.25} (Co, V) _{0.25} (Va) _{0.5}	Co ₃ V

BCC_B2 相は二副格子モデル B2 規則相, FCC_L10 相は二副格子モデル L1₀ 規則相, FCC_L102 相は四副格子モデル L1₀/L1₂ 規則相, FCC_L12 相は二副格子モデル L1₂ 規則相, HCP_ORD 相は四副格子モデル Co₃V(HCP 系 hP24) 規則相です.

これらのうち BCC_B2 相, FCC_L102 相, FCC_L12 相, HCP_ORD 相はスプリットモデルを用いた規則相で, 不規則部としてそれぞれ BCC_A2 相, A1_FCC 相, FCC_A1 相, A3_HCP 相を必要とします. 規則状態が現れない場合は計算から除外できますが, いずれも不規則部を除いた単独相として用いることは意味がありません.

相名	副格子と構成成分 (Va は空格子点)
A1_FCC	(Ag, Au, Co, Cu, Mg, V) ₁ (Va) ₁
A3_HCP	(Co, V) ₁ (Va) _{0.5}

3) その他の相 (アルファベット順)

相名	副格子と構成成分 (Va は空格子点)	
AG2BA3	(Ag) ₂ (Ba) ₃	
AG2GA_ZETAP	(Ag) ₂ (Ag, Ga, Va) ₁	ζ'Ag ₂ Ga
AG2M	(Ag) ₂ (Ba, Ca, Ce, La, Sr, Y) ₁	Ag ₂ Ba, Ag ₂ Ca, Ag ₂ Ce, Ag ₂ La, Ag ₂ Sr, Ag ₂ Yb
AG2TE	(Ag, Pb) ₂ (Te) ₁	
AG2YB3_D5A	(Ag) ₂ (Yb) ₃	
AG3GA2	(Ag) ₃ (Ga) ₂	
AG3M_D0A	(Ag, Au, Sb, Zn) ₃ (Ag, Au, Bi, Sb, Sn) ₁	εAg ₃ Sb, εAg ₃ Sn
AG4R	(Ag) ₄ (Ce, Sr) ₁	Al ₄ Ce, Al ₄ Sr
AG5CD8_GAMMA	(Ag) ₂ (Cd) ₃	
AG5LA	(Ag) ₅ (La) ₁	
AG5TE3	(Ag) ₃₁ (Te) ₁₉	
AG655TE345	(AG) _{0.655} (Te) _{0.345}	
AG7M2	(Ag) ₇ (Ca, Yb) ₂	Ag ₇ Ca ₂ , Ag ₇ Yb ₂
AG9M2	(Ag) ₉ (Ca, Yb) ₂	Ag ₉ Ca ₂ , Ag ₉ Yb ₂
AGBE2_DELTA	(Ag) ₃ (Be) ₈	
AGCA3	(Ag) ₁ (Ca) ₃	
AGCD_BETAP	(Ag) ₁ (Cd) ₁	β'AgCd
AGCD_ZETA	(Ag, Cd) ₁	ζAgCd
AGMG3	(Ag) _{0.23} (Mg) _{0.77}	εAgMg ₃
AGMG4	(Ag) ₁ (Mg) ₄	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
AGZN_ZETA	(Ag, Zn) ₁ (Zn) ₂	ζ AgZn
AGZR_B11	(Ag) _{0.5} (Zr) _{0.5}	
AL10V	(Al) ₁₀ (V) ₁	Al ₂₁ V ₂
AL11CR2	(Al) ₁₁ (Al, Cr) ₂	
AL11LN3_D13	(Al) ₁₁ (Ce, Nd, La, Sm) ₃	
AL11LN3_LT	(Al) ₁₁ (Ce, Nd, La, Pr, Sm) ₃	
AL11MN4	(Al) ₁₁ (Fe, Mn) ₄	
AL11TI5	(Al) ₁₇ (Ti) ₈	
AL12M	(Al) ₁₂ (Fe, Mn, Mo, W) ₁	Al ₁₂ (Fe, Mn, Mo, W)
AL13BA7	(Al) ₁₃ (Ba) ₇	
AL13CO4	(Al) ₁₃ (Co) ₄	
AL13IR4	(Al) ₁₃ (Ir) ₄	
AL13M4	(Al) _{0.6275} (Fe, Mn, Ru) _{0.2350} (Al, Si, Va) _{0.1375}	Al ₃ Fe, Al ₁₃ Ru ₄
AL21PT5	(Al) ₂₁ (Pt) ₅	
AL21PT8	(Al) ₂₁ (Pt) ₈	
AL23V4	(Al) ₂₃ (V) ₄	
AL28IR9	(Al) ₂₈ (Ir) ₉	
AL2AU5	(Al) ₂ (Au) ₅	
AL2CA5_C15	(Al) ₂ (Ca) ₅	
AL2CASI2	(Al) ₂ (Ca) ₁ (Si) ₂	
AL2CU_THETA	(Al) ₂ (Ag, Al, Cu) ₁	
AL2CU3_DELTA	(Al, Zn) ₂ (Ag, Cu) ₃	
AL2CULL_T1	(Al) ₂ (Cu) ₁ (Li) ₁	
AL2CUMG_S	(Al) ₂ (Cu) ₁ (Li) ₁	
AL2FE1	(Al) ₂ (Fe, Mn) ₁	
AL2FE2SI_TAU1	(Al) ₂ (Fe) ₂ (Si) ₁	
AL2FESI_TAU3	(Al) ₂ (Fe) ₁ (Si) ₁	
AL2LI3	(Al) ₂ (Li) ₃	
AL2MN2SI3_TAU1	(Al) ₂ (Mn) ₂ (Si) ₃	
AL2MNSI3_TAU10	(Al) ₂ (Mn) ₁ (Si) ₃	
AL2PT	(Al) ₂ (Pt) ₁	
AL2R_C15	(Al, Mg) ₂ (La, Pr, Sc, Sm, Yb) ₁	Al ₂ La, Al ₂ Pr, Al ₂ Sc, Al ₂ Sm, Al ₂ Yb
AL2RU	(Al) ₂ (Ru) ₁ (Al, Ru, Va) ₁	
AL2S3	(Al) ₂ (S) ₃	
AL2SR	(Al) ₂ (Sr) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
AL2TH3_D5A	(Al) ₂ (Th) ₃	
AL2W	(Al) ₂ (W) ₁	
AL2Z3	(Al) ₂ (Dy, Er, Gd, Hf, Ho, Y, Zr) ₃	Al ₂ Dy ₃ , Al ₂ Er ₃ , Al ₂ Gd ₃ , Al ₂ Hf ₃ , Al ₂ Ho ₃ , Al ₂ Y ₃ , Al ₂ Zr ₃
AL2ZR_C14	(Al) ₂ (Zr) ₁	
AL2_7IR	(Al) _{2.7} (Ir) ₁	
AL3CO	(Al) ₃ (Co) ₁	
AL3CUER_T4	(Al) ₃ (Cu) ₁ (Er) ₁	
AL3DY_D024	(Al) ₃ (Dy) ₁	
AL3FESI_GAMMA	(Al) ₃ (Fe) ₁ (Si) ₁	
AL3IR	(Al) ₃ (Ir) ₁	
AL3MN4SI2_TAU5	(Al) ₃ (Mn) ₄ (Si) ₂	
AL3MNSI2_TAU4	(Al) ₃ (Mn) ₁ (Si) ₂	
AL3M_D022	(Al, Mo, Ti) ₃ (Mo, Nb, Ta, Ti, V) ₁	
AL3NB_D022	(Al, Nb) ₃ (Al, Nb) ₁	
AL3NI_D011	(Al) ₃ (Ni) ₁	
AL3NI2_D513	(Al) ₃ (Al, Ni) ₂ (Ni, Va) ₁	
AL3NI5	(Al) _{0.375} (Ni) _{0.625}	
AL3PT2	(Al) ₃ (Pt) ₂	
AL3PT5	(Al) ₃ (Pt) ₅	
AL3PU_ALPHA	(Al) ₃ (Pu) ₁	
AL3PU_BETA	(Al) ₃ (Pu) ₁	
AL3PU_GAMMA	(Al) ₃ (Pu) ₁	
AL3PU_DELTA	(Al) ₃ (Pu) ₁	
AL3RU2_D513	(Al) ₃ (Al, Ru) ₂ (Ru, Va) ₁	
AL3R_D019	(Al) ₃ (Gd La, Pr, Sm, Th, Y) ₁	
AL3TH2	(Al) ₃ (Th) ₂	
AL3X2	(Al) ₃ (Hf, Ta, Zr) ₂	
AL3X4	(Al) ₃ (Hf) ₄	
AL3Y_BETA	(Al) ₃ (Y) ₁	
AL3Z_D023	(Al) ₃ (Hf, Zr) ₁	
AL3_DYHO	(Al) ₃ (Dy, Ho) ₁	
AL45IR13	(Al) ₄₅ (Ir) ₁₃	
AL4C3_D71	(Al, Si) ₄ (C) ₃	
AL4CR	(Al) ₄ (Al, Cr) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
AL4LI9	(Al) ₄ (Li) ₉	
AL4MN	(Al) ₄ (Fe, Mn) ₁	
AL4M_D13	(Al) ₄ (Ba, Ca, Sr) ₁	
AL4M_MC30	(Al) ₄ (Mo, W) ₁	
AL4R_ALPHA	(Al) ₃ (Al, Pu, U) ₁	
AL4R_BETA	(Al) ₃ (Al, Pu, U) ₁	
AL4SIC4	(Al) ₄ (Si) ₁ (C) ₄	
AL4ZR5	(Al) ₄ (Zr) ₅	
AL53LA22_C32	(Al) ₅₃ (La) ₂₂	
AL5BA4	(Al) ₅ (Ba) ₄	
AL5CO2_D811	(Al) ₅ (Co) ₂	
AL5CU3ER2_T5	(Al) ₅ (Cu) ₃ (Er) ₂	
AL5CU6MG2_V	(Al) ₅ (Cu) ₆ (Li) ₂	
AL5FE2	(Al) ₅ (Fe, Mn) ₂	
AL5FE4	(Al, Fe, Mn) ₁	ε in Fe-Al
AL5M1	(Al) ₅ (Mo, W) ₁	
AL5MN6SI7_TAU2	(Al) ₅ (Mn) ₆ (Si) ₇	
AL63MO37	(Al) ₆₃ (Mo) ₃₇	
AL69TA39	(Al) ₆₉ (Ta) ₃₉	
AL6MN_D2H	(Al) ₆ (Fe, Mn) ₁	
AL6RU	(Al) ₆ (Ru) ₁	
AL77W23	(Al) ₇₇ (W) ₂₃	
AL7CR	(Al) ₇ (Al, Cr) ₁	
AL7CU3MG6_Q	(Al) ₇ (Cu) ₃ (Li) ₆	
AL7SR8	(Al) ₇ (Sr) ₈	
AL7TA5	(Al) ₇ (Ta) ₅	
AL7TH2	(Al) ₇ (Th) ₂	
AL7V	(Al) ₇ (V) ₁	
AL7W3	(Al) ₇ (W) ₃	
AL8CR5_ALPHA	(Al, Cr) ₈ (Al, Cr) ₅	
AL8CR5_BETA	(Al, Cr) ₈ (Al, Cr) ₅	
AL8CU4ER_T1	(Al) ₈ (Cu) ₄ (Er) ₁	
AL8MN5_D810	(Al, Mn) ₈ (Al, Fe, Mn, Si) ₅	
AL8MO3	(Al) ₈ (Mo) ₃	
AL8SIC7	(Al) ₈ (Si) ₁ (C) ₇	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
AL8V5	(Al) ₈ (V) ₅	
AL9BANI2	(Al) ₉ (Ba) ₁ (Ni) ₂	
AL9CO2	(Al) ₉ (Co) ₂	
AL9CU11_ZETA	(Al, Zn) ₉ (Ag, Cu) ₁₁	
AL9CU6ER5_T6	(Al) ₉ (Cu) ₆ (Er) ₅	
AL9IR2	(Al) ₉ (Ir) ₂	
ALAU2	(Al) ₁ (Au) ₂	
ALAU4_BETA	(Al) ₁ (Au) ₄	
ALAU4_LT	(Al) ₁ (Au) ₄	
ALAU_MP8	(Al) ₁ (Au) ₁	
ALB12_ALPHA	(Al) ₁ (B) ₁₂	
ALCR2_C11B	(Al, Cr) ₁ (Al, Cr) ₂	
ALCU_EPSILON	(Ag, Al, Cu, Zn) ₁ (Ag, Cu) ₁	
ALCU_ETA	(Al, Cu) ₁ (Ag, Cu, Zn) ₁	
ALCU_GAMMA_D83	(Al) ₄ (Al, Cu) ₁ (Ag, Cu) ₈	
ALCU_GAMMA_H	(Al) ₄ (Al, Cu) ₁ (Cu) ₈	
ALCUER_T2	(Al, Cu) ₁₇ (Er) ₂	
ALCUER_T3	(Al, Cu) ₅ (Er) ₁	
ALCUER_T7	(Al) ₁ (Cu) ₁ (Er) ₁	
ALCULI_R	(Al) _{0.550} (Cu) _{0.117} (Li) _{0.333}	
ALCULI_T2	(Al) _{0.57} (Cu) _{0.11} (Li) _{0.32}	
ALCULI_TB	(Al) _{0.60} (Cu) _{0.32} (Li) _{0.08}	
ALCUZN_TAU	(Al, Cu) ₁ (Al) ₄ (Cu) ₄ (Zn) ₁	
ALERMG_TAU	(Al) ₂ (Er) _{0.3} (Mg) _{0.7}	
ALFESI_ALPHA	(Al) _{0.6612} (Fe) _{0.1900} (Si) _{0.0496} (Al, Si) _{0.0992}	
ALFESI_BETA	(Al) ₁₄ (Fe) ₃ (Si) ₃	
ALFESI_DELTA	(Al) _{0.55} (Fe) _{0.15} (Si) _{0.30}	
ALLI_B32	(Al, Li, Mg) ₁ (Li, Mg, Va) ₁	
ALLN_C	(Al) ₁ (Ce, La, Nd) ₁	
ALLN3_D019	(Al) ₁ (La, Pr) ₃	
ALM3_D019	(Al, Mo, Nb, Ta, Ti, V, W) ₁ (Al, Mo, Nb, Ta, V, W) ₃	
ALMGMN_T	(Al) ₁₈ (Mg) ₃ (Mn) ₂	
ALMGX_T	(Mg) ₂₆ (Al, Mg) ₆ (Al, Cu, Mg, Zn) ₄₈ (Al) ₁	τ-AlMgZn
ALMGZN_PHI	(Mg) ₆ (Al, Zn) ₅	
ALMG_BETA	(Mg) ₈₉ (Al, Zn) ₁₄₀	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
ALMG_EPSILON	(Mg) ₂₃ (Al, Zn) ₃₀	
ALMNSI_TAU3	(Al) ₁ (Mn) ₁ (Si) ₁	
ALMNSI_TAU6	(Al, Mn) ₄ (Si) ₁	
ALMNSI_TAU8	(Mn, Va) ₃ (Mn, Va) ₁ (Al) ₆ (Al, Si) ₃ (Al, Si) ₁	
ALMNSI_TAU9	(Al) ₁₄ (Mn) ₄ (Al, Si) ₅	
ALMO_A2	(Al, Mo) _{0.5} (Al, Mo) _{0.5}	
ALPT3_L12	(Al, Pt) _{0.25} (Al, Pt) _{0.75}	
ALPU_ETA	(Al) ₁ (Pu) ₁	
ALPU3	(Al) ₁ (Pu) ₃	
ALRU_B2	(Al, Ru) ₁ (Al, Va) ₁	
ALR_D019	(Al, Ce, Nd) ₃ (Al, Ce, Nd) ₁	
ALSC	(Al, Mg) ₁ (Sc) ₁	
ALS_S	(Al) ₁ (S) ₁	
ALTA	(Al) ₁ (Ta) ₁	
ALZ2_B82	(Al) ₁ (Sc, Zr) ₂	
ALZ3_L12	(Al) ₁ (Ce, Nd, Zr) ₃	
ANILITE	(Cu) _{1.75} (S) ₁	
ASP	(As, P) ₁	
AU10M7	(Au) ₁₀ (Hf, Zr) ₇	
AU11IN3_BETA	(Au) ₁₁ (In) ₃	
AU2HF_C11B	(Au) ₂ (Au, Hf) ₁	
AU2M_C15	(Ag, Au) ₂ (Bi, Pb) ₁	
AU2PR	(Au) ₂ (Pr) ₁	
AU2ZR	(Au) ₂ (Zr) ₁	
AU36PR17	(Au) ₃₆ (Pr) ₁₇	
AU3HF	(Au) ₃ (Hf) ₁	
AU3IN2_PSI	(Au) ₃ (Au, In) ₂ (In) ₁	
AU3ZN_ALPHA1	(Au) ₃ (Au, Zn) ₁ (Zn) ₁	
AU3ZN_ALPHA2	(Au) ₃ (Zn) ₁	
AU3ZN_ALPHA3	(Au) ₁₈ (Au, Zn) ₇ (Zn) ₃	
AU4IN3SN3	(Au) ₄ (In, Sn) ₃ (In, Sn) ₃	
AU4M	(Au) ₄ (Hf, Zr) ₁	
AU4PR3	(Au) ₄ (Pr) ₃	
AU5HF_D1A	(Au) ₅ (Au, Hf) ₁	
AU5SN	(Au) ₂₁ (Sn) ₄	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
AU5ZN3	(Au) ₅ (Zn) ₃	
AU6PR	(Au) ₆ (Pr) ₁	
AU7GA2_BETA	(Au) _{0.7895} (Ga) _{0.2105}	
AU7GA2_BETAP	(Au) ₇ (Ga) ₂	
AU7GA3_GAMMA	(Au) ₇ (Ga) ₃	
AU7GA_D024	(Au, Ga) ₁	
AU7IN2_BETAP	(Au) ₇ (In) ₂	
AU7IN3	(Au) ₇ (In) ₃	
AU9IN4_GAMMA	(Au) ₉ (Au, In) ₃ (In) ₁	
AUGA2_C1	(Au) ₁ (Ga) ₂	
AUGA_B31	(Au) ₁ (Ga) ₁	
AUHF_ALPHA	(Au) ₁ (Au, Hf) ₁	
AUHF_BETA	(Au) ₁ (Au, Hf) ₁	
AUIN	(Au) _{0.5} (In, Sb, Sn) _{0.5}	
AUNI2SN4	(Au) ₁ (Ni) ₂ (Sn) ₄	
AUPB3	(Au) ₁ (Pb) ₃	
AUSN2	(Au) ₁ (Sn) ₂	
AUTE2_C34	(Au) ₁ (Te) ₂	
AUZN3_GAMMA2	(Au) ₁ (Zn) ₃	
AUZN4_GAMMA3	(Au) ₃ (Au, Zn) ₄ (Zn) ₁₈	
AUZN_DELTA	(Au) ₁₁ (Zn) ₁₄	
AUZN_EPSP	(Au) ₃ (Zn) ₁₇	
AUZR	(Au) ₁ (Zr) ₁	
B2_BCC	(Al, Au, Co, In, Mg, Ni, Pd, Ti, Tm) ₁ (Co, Mg, Ni, Pd, Ti, Va) ₁	
B4C	(B ₁₁ C, B ₁₂) ₁ (B ₂ , B ₂ C, BC ₂) ₁	
BA10GA	(Ba) ₁₀ (Ga) ₁	
BA5GA6	(Ba) ₅ (Ga) ₆	
BACU	(Ba) ₁ (Cu) ₁	
BI2K_C15	(Bi) ₂ (K) ₁	
BI2K3	(Bi) ₂ (K) ₃	
BI2ND	(Bi) ₂ (Nd) ₁	
BI2PD	(Bi) ₂ (Pd) ₁	
BI3IN5_D81	(Bi) ₃ (In) ₅	
BI3ND4	(Bi) ₃ (Nd) ₄	
BI3NI	(Bi) ₂ (Ni) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
BI3PD5	(Bi, Pd) ₁	
BI3RE5_D88	(Bi) ₃ (Nd, Tb) ₅	
BI3RE5_LT	(Bi) ₃ (Tb, Tm, Y) ₅	
BI3TB4	(Bi) ₃ (Tb) ₄	
BI4K5	(Bi) ₄ (K) ₅	
BI7HG4PB9	(Bi) ₇ (Hg) ₄ (Pb) ₉	
BIIN2_D82	(Bi) ₁ (In) ₂	
BIIN_B10	(Bi) _{0.5} (In) _{0.5}	
BIK3_ALPHA	(Bi) _{0.25} (K) _{0.75}	
BIK3_BETA	(Bi) _{0.25} (K) _{0.75}	
BIND2	(Bi) ₁ (Nd) ₂	
BINI_B81	(Bi) ₁ (Bi, Va) ₁ (Ni) ₁	
BIPD3	(Bi) ₁ (Pd) ₃	
BIPD_LT	(Bi) ₁ (Pd) ₁	
BIRE_B1	(Bi) ₁ (Nd, Tb, Tm, Y) ₁	
BITL_EPSILON	(Bi, Tl) ₁	
BN_HP4	(B) ₁ (N) ₁	
CA11GA7	(Ca) ₁₁ (Ga) ₇	
CA14SI19	(Ca) ₁₄ (Si) ₁₉	
CA25GA59_C32	(Ca) ₂₅ (Ga) ₅₉	
CA28GA11	(Ca) ₂₈ (Ga) ₁₁	
CA2M_C23	(Ca) ₂ (Cu, Si) ₁	
CA3GA5	(Ca) ₃ (Ga) ₅	
CA3GA8	(Ca) ₃ (Ga) ₈	
CA3SI4	(Ca) ₃ (Si) ₄	
CA3ZN_E1A	(Ca) ₃ (Zn) ₁	
CA5M3_D81	(Ca) ₅ (Si, Zn) ₃	
CACU	(Ca) ₁ (Cu) ₁	
CAF2_S1	(Ca) ₁ (F) ₂	Low temperature CaF ₂
CAF2_S2	(Ca) ₁ (F) ₂	High temperature CaF ₂
CAGA2	(Ca) ₁ (Ga) ₂	
CAGA4	(Ca) ₁ (Ga) ₄	
CAH2_ALPHA_C23	(Ca) ₁ (H) ₂	
CAH2_BETA	(Ca) ₁ (H) ₂	
CAH_GAMMA	(Ca) ₁ (H, Va) _{0.5}	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
CALI2_C14	(Ca) ₁ (Li) ₂	
CAM_BF	(Ca) ₁ (Ag, Ga, Si, Zn) ₁	
CASI2_C12	(Ca) ₁ (Si) ₂	
CAZN11	(Ca) ₁ (Zn) ₁₁	
CAZN3	(Ca) ₁ (Zn) ₃	
CE13ZN58	(Ce) ₁₃ (Zn) ₅₈	
CE2ZN17	(Ce) ₂ (Zn) ₁₇	
CE3GA2	(Ce) ₃ (Ga) ₂	
CE3GA_L12	(Ce) _{0.75} (Ga) _{0.25}	
CE3ZN11	(Ce) ₃ (Zn) ₁₁	
CEB6_D21	(Ce) ₁ (B) ₆	
CEGA2_C32	(Ce, Ga) ₁ (Ga) ₂	
CEGA6_HT	(Ce) ₁ (Ga) ₆	
CEGA6_LT	(Ce) ₁ (Ga) ₆	
CEGA_BF	(Ce) ₁ (Ga) ₁	
CEZN2	(Ce) ₁ (Zn) ₂	
CEZN3	(Ce) ₁ (Zn) ₃	
CEZN5	(Ce) ₁ (Zn) ₅	
CEZN	(Ce) _{0.5} (Zn) _{0.5}	
CHALCOCITE_ALPHA	(Cu) ₂ (S) ₁	
CHALCOCITE_BETA	(Cu) ₂ (S) ₁	
CHI_A12	(Cr, Fe) ₂₄ (Cr, Mo, Ti, W) ₁₀ (Cr, Fe, Mo, W) ₂₄	
CO11CE24	(Co) ₁₁ (Ce) ₂₄	
CO11U2	(Co) ₁₁ (U) ₂	
CO11ZR2	(Co) ₁₁ (Zr) ₂	
CO16NB9	(Co) ₁₆ (Nb) ₉	
CO17Y2	(Co) ₁₅ (Co ₂ , Y) ₂ (Co ₂ , Y) ₁	
CO2PR5	(Co) ₂ (Pr) ₅	
CO2SI_ALPHA	(Co, Si) ₂ (Co, Si) ₁	
CO2SI_BETA	(Co, Si) ₂ (Co, Si) ₁	
CO2ZN15	(Co) ₂ (Zn) ₁₅	
CO3GE	(Co) ₃ (Ge) ₁	
CO3NB_C36	(Co) ₃ (Nb) ₁	
CO3R4	(Co, Fe) ₃ (Gd, Pr, Y) ₄	
CO3SI	(Co) ₃ (Si) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
CO3Y2	(Co) ₃ (Y) ₂	
CO4SM9	(Co) ₄ (Sm) ₉	
CO4U	(Co) ₄ (U) ₁	
CO4ZN	(Co, Zn) ₁	
CO5GE2	(Co) ₅ (Ge) ₂	
CO5GE7	(Co) ₅ (Ge) ₇	
CO5Y8	(Co) ₅ (Y) ₈	
CO5Y_D2D	(Co ₂ , Y) ₁ (Co) ₄ (Co, Va) ₁	
CO7DY12	(Co) ₇ (Dy) ₁₂	
CO7Y6	(Co) ₇ (Y) ₆	
COCE_DELTA	(Co) ₁₅ (Ce) ₂ (Ce, Co ₂) ₁	
COGA_B2	(Co, Ga) _{0.5} (Co, Va) _{0.5}	
COGE2	(Co) ₁ (Ge) ₂	
COGE_MC16	(Co) ₁ (Ge) ₁	
COM3	(Co) ₁ (Ga, In) ₃	
COPT_L10	(Co, Pt) ₁	
COSB2_C18	(Co) ₁ (Sb) ₂	
COSB3_D02	(Co) _{0.25} (Sb) _{0.75}	
COSB_B81	(Co, Va) ₁ (Co, Va) ₁ (Sb) ₁	
COSI_B20	(Co, Si) _{0.5} (Co, Si) _{0.5}	
COTA_MU	(Co, Ta) ₇ (Ta) ₂ (Co, Ta) ₄	
COTI2_E93	(Co) ₁ (Ti) ₂	
COU_BA	(Co) ₁ (U) ₁	
COVELLITE	(Cu) ₁ (S) ₁	
COY_BF	(Co) ₁ (Y) ₁	
COZN_BETA1	(Co, Zn) ₁	
COZN13	(Co) ₁ (Zn) ₁₃	
COZN7	(Co) ₁ (Zn) ₇	
COZR3	(Co, Zr) ₁ (Co, Zr) ₁ (Zr) ₂	
CR11GE19	(Cr) ₁₁ (Ge) ₁₉	
CR11GE8	(Cr) ₁₁ (Ge) ₈	
CR2B_ORTH	(Cr) ₂ (B) ₁	
CR2PD3_L12	(Cr) _{0.4} (Pd) _{0.6}	
CR2RU_D8B	(Cr) ₂ (Ru) ₁	
CR2VC2	(Cr) ₂ (V) ₁ (C) ₂	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
CR3GA_BETA	(Cr) ₃ (Ga) ₁	
CR3MN5	(Cr) ₃ (Mn, Ti) ₅	
CR3PT_A15	(Cr) ₄ (Pt) ₁	
CR3SI_A15	(Cr, Fe, Si, Ti) ₃ (Al, Cr, Nb, Si) ₁ (C, Va) ₃	
CR5B3_D81	(Cr) ₅ (B) ₃	
CR5GA6	(Cr) ₅ (Ga) ₆	
CR5GE3_ALPHA	(Cr, Ge) _{0.625} (Cr, Ge) _{0.375}	
CR5GE3_BETA	(Cr, Ge) _{0.625} (Cr, Ge) _{0.375}	
CRB4	(Cr) ₁ (B) ₄	
CRGA4	(Cr) ₁ (Ga) ₄	
CRGA_D810	(Cr) ₁ (Ga) ₁	
CRNI2	(Cr, Mo, W) ₁ (Mo, Ni, W) ₂	
CRPD_L10	(Cr) _{0.5} (Pd) _{0.5}	
CRSI2_C40	(Cr, Si, Ti) ₁ (Cr, Si) ₂	
CRZN13	(Cr) ₁ (Zn) ₁₃	
CRZN17	(Cr) ₁ (Zn) ₁₇	
CSNA2	(Cs) ₁ (Na) ₂	
CU10SB3_ZETA	(Cu) _{0.77} (Sb) _{0.23}	
CU10SN3_ZETA	(Cu) ₁₀ (Sn) ₃	
CU11IN9_THETA	(Cu) ₁₁ (In) ₉	
CU15SI4_EPSILON	(Cu) ₁₅ (Si) ₄	
CU17SB3_GAMMA_A3	(Cu) ₁₇ (Sb) ₃	
CU19SI6_ETA	(Cu) ₁₉ (Si) ₆	
CU2IN3SN	(Cu) ₂ (In) ₃ (Sn) ₁	
CU2IN_ETAP	(Cu) _{0.64} (In) _{0.36}	
CU2O_C3	(Cu) ₂ (O) ₁	
CU2R	(Al, Cu) ₂ (Ce, Er, Eu, Ho, Nd, Pr, Sm, Y) ₁	
CU2SB_ETA	(Cu) _{0.67} (Sb) _{0.33}	
CU2TI	(Cu) ₂ (Ti) ₁	
CU2Y_HT	(Cu) ₂ (Y) ₁	
CU33SI7_DELTA	(Cu) ₃₃ (Si) ₇	
CU37LA3	(Cu) ₃₇ (La) ₃	
CU3AS	(Cu) ₃ (As, Cu) _{1.15}	
CU3NI27SN10	(Cu) _{0.075} (Ni) _{0.675} (Sn) _{0.250}	
CU3P_D021	(Cu, Fe) ₃ (P) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
CU3SN_EPSILON	(Cu, Ni) _{0.75} (In, Sn) _{0.25}	
CU3TI2	(Cu) ₃ (Ti) ₂	
CU41SN11_DELATA	(Cu) ₄₁ (In, Sn) ₁₁	
CU4LN	(Cu) ₄ (Ce, La, Nd, Pr, Sm) ₁	
CU4SB_DELTA	(Cu) ₄ (Sb) ₁	
CU4TI_BETA	(Cu, Ti) ₄ (Cu, Ti) ₁	
CU4TI3	(Cu) ₄ (Ti) ₃	
CU4Y	(Cu) ₄ (Y) ₁	
CU56SI11_GAMMA	(Cu) ₅₆ (Si) ₁₁	
CU5M	(Cu) ₅ (Hf, Zr) ₁	
CU5R_C15B	(Cu) ₅ (Er, Ho) ₁	
CU5ZN8_GAMMA	(Cu, Zn) ₂ (Al, Cu, Si, Zn) ₂ (Cu, Zn) ₃ (Al, Cu, Mg, Si, Zn) ₆	
CU6LA_ALPHA	(Cu) ₆ (La) ₁	
CU6LN	(Cu) ₆ (Ce, La, Nd, Pr, Sm) ₁	
CU6SN5_ETAP	(Cu) _{0.545} (Sn) _{0.455}	
CU6Y	(Cu) ₅ (Cu ₂ , Y) ₁	
CU77INSN23	(Cu) _{0.77} (In, Sn) _{0.23}	
CU78GA22_ZETAP	(Cu) _{0.778} (Ga) _{0.222}	
CU7AS_BETA	(Cu) ₇ (As) ₁	
CU7AS3	(Cu) ₇ (As) ₃	
CU7IN3_DELTA	(Cu) ₇ (In, Sn) ₃	
CU8M3	(Cu) ₈ (Hf, Zr) ₃	
CU9GA4_GAMMA_D83	(Cu) ₆ (Cu, Ga) ₆ (Ga) ₁	
CU9GA4_GAMMA1	(Cu) ₆ (Cu, Ga) ₃ (Cu, Ga) ₃ (Ga) ₁	
CU9GA4_GAMMA2	(Cu) ₃ (Cu, Va) ₃ (Cu, Ga) ₃ (Ga) ₄	
CU9GA4_GAMMA3	(Cu, Va) ₆ (Cu, Ga) ₃ (Ga) ₄	
CU9R2	(Cu) ₉ (Er, Ho) ₂	
CUB_A15	(Cr, Mo, Ti, V, Zr) ₃ (Al, Au, Co, Ga, Ge, Ru, Si) ₁	
CUEU2	(Cu) ₁ (Eu) ₂	
CUGA2	(Cu) ₁ (Ga) ₂	
CUMGSI_SIGMA	(Cu) ₁₆ (Mg) ₆ (Si) ₇	
CUMGSI_TAU	(Cu, Si) ₂ (Mg) ₁	
CUNIAS	(Cu) ₁ (Ni) ₁ (As) ₁	
CUO	(Cu) ₁ (O) ₁	
CUPD_B2	(Cu, Pd) _{0.5} (Cu, Pd) _{0.5} (H, Va) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
CU_INSN_ETA	(Cu, Ni) _{0.545} (Cu, In, Sn) _{0.122} (In, Sn) _{0.333}	
DELTA_C32	(U, Zr) ₂ (Zr) ₁	δ in U-Zr
DIGENITE	(Cu, Va) ₂ (Cu, Va) ₁ (S) ₁	Cu ₉ S ₅
DJURLEITE	(Cu) _{1.93} (S) ₁	
EU2IN_ALPHA	(Eu) ₂ (In) ₁	
EU2IN_BETA	(Eu) ₂ (In) ₁	
EU2SN_C23	(Eu) ₂ (Sn) ₁	
EU3SN5	(Eu) ₃ (Sn) ₅	
EU5PD2	(Eu) ₅ (Pd) ₂	
EUIN	(Eu) ₁ (In) ₁	
EUIN2	(Eu) ₁ (In) ₂	
EUIN4	(Eu) ₁ (In) ₄	
EUPD5	(Eu) ₁ (Pd) ₅	
FCC_B1	(Al, Pu, U) ₁ (C, C ₂ , N, Va) ₁	δ -UC, PuC, PuC ₂
FE11ZN40	(Fe, Mn) _{0.137} (Fe, Mn, Si, Zn) _{0.118} (Mn, Zn) _{0.745}	Γ_2 in Fe-Zn
FE14ND2B_T1	(Fe) ₁₄ (Nd) ₂ (B) ₁	
FE17GD2_ALPHA	(Fe) ₁₇ (Gd) ₂	
FE17ND5	(Fe) ₁₇ (Nd) ₅	
FE2ND5B6_T3	(Fe) ₂ (Nd) ₅ (B) ₆	
FE2PU_GAMMA	(Fe) ₂ (Pu) ₁	
FE2SI	(Fe) ₂ (Si) ₁	
FE2SM_C15	(Fe) ₂ (Sm) ₁	
FE2ZR_HEX	(Fe) ₂ (Fe, Zr) ₁	
FE3SM	(Fe) ₃ (Sm) ₁	
FE4NDB4_T2	(Fe) ₄ (Nd) _{1.11} (B) ₄	
FE8SI2C	(Fe) ₈ (Si) ₂ (C) ₁	
FECN_CHI	(Fe) _{2.2} (C, N) ₁	
FEMP	(Fe, Ti) ₁ (Cr, Fe, Mn, Ti) ₁ (P) ₁	FeNbP, FeTiP
FEP	(Fe) ₁ (P) ₁	
FEP2_C18	(Fe) ₁ (P) ₂	
FEP4	(Fe) ₁ (P) ₄	
FEPD_L10	(Fe, Pd) _{0.5} (Fe, Pd) _{0.5}	
FESB_B81	(Fe) ₁ (Fe, Sb) ₁	
FESB2	(Fe) ₁ (Sb) ₂	
FESC7	(Fe) ₁ (Sc) ₇	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
FESI2_HT	(Fe) ₃ (Si, Zr) ₇	
FESIZR_TAU1	(Fe) ₁ (Si) ₁ (Zr) ₁	
FESIZR_TAU2	(Fe) ₃ (Si) ₁ (Zr) ₂	
FESIZR_TAU3	(Fe) ₄ (Si) ₂ (Zr) ₁	
FESIZR_TAU4	(Fe) ₂ (Si) ₇ (Zr) ₄	
FESIZR_TAU5	(Fe) ₁₆ (Si) ₇ (Zr) ₆	
FESIZR_TAU8	(Fe) ₄ (Si) ₂ (Zr) ₁	
FESIZR_TAU9	(Fe) ₂₉ (Si) ₄₂ (Zr) ₂₉	
FEUZR_CHI	(Fe) ₅₀ (U) ₁₈ (Zr) ₂	
FEUZR_EPSILON	(Fe) ₃₀ (U) ₃₀ (Zr) ₄₀	
FEUZR_LAMBDA	(Fe) ₆ (U) ₇₁ (Zr) ₂₃	
FEW3C	(Fe) ₁ (W) ₃ (C) ₁	
FEZN10	(Fe) _{0.058} (Al, Fe, Si, Zn) _{0.180} (Zn) _{0.762}	δ in Fe-Zn
FEZN_GAMMA1	(Fe, Zn) _{0.154} (Fe, Zn) _{0.154} (Fe, Si, Zn) _{0.231} (Zn) _{0.461}	Γ ₁ in Fe-Zn
FEZR3_E1A	(Fe, Zr) ₁ (Fe, Zr) ₃	
GA11GEPT7	(Ga) ₁₁ (Ge) ₁ (Pt) ₇	
GA2LA_C32	(Ga) ₂ (Ga, La) ₁	
GA2M_C32	(Ga) ₂ (Ba, Sr, Tb) ₁	
GA2SC	(Ga) ₂ (Sc) ₁	
GA2Y	(Ga) ₂ (Y) ₁	
GA3LA5_D81	(Ga) ₃ (La) ₅	
GA3PT5	(Ga, Ge) ₃ (Pt) ₅	
GA3SC_L12	(Ga) ₃ (Sc) ₁	
GA3SC5_D88	(Ga) ₃ (Sc) ₅	
GA3TB_LT	(Ga) ₃ (Tb) ₁	
GA3TB5_D8L	(Ga) ₃ (Tb) ₅	
GA3TI2	(Ga) ₃ (Ti) ₂	
GA3Y5_H	(Ga) ₃ (Y) ₅	
GA3Y5_M	(Ga) ₃ (Y) ₅	
GA3Y5_L	(Ga) ₃ (Y) ₅	
GA4LA	(Ga) ₄ (La) ₁	
GA4M	(Ga) ₄ (Ba, Sr) ₁	
GA4SC5	(Ga) ₄ (Sc) ₅	
GA4TI5	(Ga, Ti) ₄ (Ga, Ti) ₅	
GA6PT	(Ga, Ge) ₆ (Pt) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
GA6R	(Ga) ₆ (La, Tb) ₁	
GA7M8	(Ga) ₇ (Ba, Sr) ₈	
GAGEPT4	(Ga, Ge) ₁ (Pt) ₂	
GAGEPT6	(Ga, Ge) ₁ (Pt) ₃	
GALA3_L12	(Ga) ₁ (La) ₃	
GAMMA_D82	(Mn, Zn) _{0.15385} (Mn, Zn) _{0.15385} (Mn, Va) _{0.23077} (Zn) _{0.46154}	
GANI_B2	(Ga, Ni) _{0.5} (Ni, Va) _{0.5}	
GAPT2	(Ga, Ge) ₁ (Pt) ₂	
GAPT3_D0C	(Ga, Ge, Pt) _{0.25} (Ga, Pt) _{0.75}	
GAR_BF	(Ga) ₁ (La, Sc, Tb, Y) ₁	
GD2GE3_ALPHA	(Gd) ₄₁ (Ge) ₅₉	
GD2GE3_BETA	(Gd) ₄₁ (Ge) ₅₉	
GD2GE3_GAMMA	(Gd) ₂ (Ge) ₃	
GD2GE5	(Gd) ₁₄ (Ge) ₃₆	
GD3GE5_ALPHA	(Gd) ₃ (Ge) ₅	
GD3GE5_BETA	(Gd) ₃ (Ge) ₃	
GDSI2	(Gd) ₁ (Si) ₂	
GE2PT_OP6	(Ga, Ge) ₂ (Pt) ₁	
GE2PT3	(Ga, Ge) ₂ (Pt) ₃	
GE2SR	(Ge) ₂ (Sr) ₁	
GE3PT2	(Ga, Ge) ₃ (Pt) ₂	
GE3RU2_ALPHA	(Ge) ₃ (Ru) ₂	
GE3SR5_D8L	(Ge) ₃ (Sr) ₅	
GEAS_C34	(Ge) _{0.5} (As) _{0.5}	
GEAS2	(Ge) ₁ (As) ₂	
GEPT2_C22	(Ga, Ge) ₁ (Pt) ₂	
GEPT3	(Ga, Ge, Pt) ₁ (Pt) ₃	
GESR2	(Ge) ₁ (Sr) ₂	
GETE_ALPHA	(Ge, Va) ₁ (Te) ₁	
GETE_BETA_B1	(Ge, Va) ₁ (Te) ₁	
GETE_GAMMA	(Ge) ₄₉ (Te) ₅₁	
G_PHASE	(Al, Co, Fe, Mn, Ni, Ti) ₁₆ (Hf, Nb, Ti, Y, Zr) ₆ (Co, Fe, Mn, Ni, Si) ₇	
HF3SI2_D5A	(Hf) ₃ (Si) ₂	
HG3ZN	(Hg) ₃ (Zn) ₁	
HG4IN	(Hg, In) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
HGIN_L11	(Hg, In) _{0.5}	
HGIN2	(Hg) ₁ (In) ₂	
HGPB2_L10	(Hg) ₁ (Pb) ₂	
HGSN12_GAMMA	(Hg, Va) ₁ (Sn) ₆	
HGSN38_BETA	(Hg) ₁ (Sn) ₃₈	
HGSN4	(Hg) ₁ (Sn) ₄	
HGSN7_DELTA	(Hg) ₁ (Sn) ₇	
HGZN2_BETA	(Hg) ₁ (Zn) ₂	
HGZN3_GAMMA	(Hg) ₁ (Zn) ₃	
HIGH_SIGMA	(Fe, Mn) ₈ (Cr, Mo) ₄ (Cr, Fe, Mn, Mo, Ti) ₁₈	
IN2YB	(In) ₂ (Yb) ₁	
IN2YB5	(In) ₂ (Yb) ₅	
IN3PD5	(In) _{0.375} (Pd) _{0.625}	
IN7PD3	(In) _{0.71} (Pd) _{0.29}	
INPD2_BETA	(In) _{0.34} (Pd) _{0.66}	
INPD3_BETA	(In) _{0.26} (Pd) _{0.74}	
INSN_GAMMA	(In, Sn) ₁	
INX_FCC	(Ag, Al, As, Au, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Ge, Hg, In, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Sb, Si, Sn, Zn) ₁ (Va) ₁	FCC in In-X
INYB2_C23	(In) ₁ (Yb) ₂	
IR3ZR_L12	(Ir, Zr) ₃ (Ir, Zr) ₁	
IRZR3	(Ir) ₁ (Zr) ₃	
IRZR_ALPHA	(Ir, Zr) ₁ (Zr) ₁	
KSI_CARBIDE	(Cr, Fe, Mo, W) ₃ (C) ₁	ξ Carbide
LA2BI	(La) ₂ (Bi) ₁	
LA2NI3	(La) ₂ (Ni) ₃	
LA2NI7_BETA	(La) ₂ (Ni) ₇	
LA3IN5	(La) ₃ (In) ₅	
LA4BI3	(La) ₄ (Bi) ₃	
LA5BI3_D88	(La) ₅ (Bi) ₃	
LA5MG41	(La) ₅ (Mg) ₄₁	
LA7NI16	(La) ₇ (Ni) ₁₆	
LAB4	(La) ₁ (B) ₄	
LAB6	(La) ₁ (B) ₆	
LAB9	(La) ₁ (B) ₉	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
LABI_B1	(La) ₁ (Bi) ₁	
LABI2	(La) ₁ (Bi) ₂	
LAIN2	(La) ₁ (In) ₂	
LAIN_X	(La) _{0.43} (In) _{0.57}	
LAMG12	(La) ₁ (Mg) ₁₂	
LAMGZN_T1	(La) _{0.05} (Mg) _{0.42} (Zn) _{0.53}	
LAVES_C14	(Al, Ca, Co, Cr, Cu, Dy, Er, Fe, Hf, Ho, Mg, Mn, Mo, Nb, Ni, Sr, Ta, Ti, U, W, Zn, Zr) ₂ (Al, Ca, Co, Cr, Cu, Dy, Er, Fe, Hf, Ho, Mg, Mn, Mo, Nb, Ni, Sr, Ta, Ti, U, W, Zn, Zr) ₁	
LAVES_C15	(Al, Ca, Ce, Co, Cr, Cu, Dy, Er, Fe, Gd, Hf, Ho, Li, Mg, Mn, Mo, Nb, Nd, Ni, Pu, Si, Ta, Ti, U, V, W, Y, Zn, Zr) ₂ (Al, Ca, Ce, Co, Cr, Cu, Dy, Er, Fe, Gd, Hf, Ho, Li, Mg, Mn, Mo, Nb, Nd, Ni, Pu, Si, Ta, Ti, U, V, W, Y, Zn, Zr) ₁	
LAVES_C36	(Al, Co, Cr, Cu, Dy, Fe, Gd, Hf, Ho, Mg, Mn, Mo, Ni, Pu, Si, Ta, Ti, V, Zn, Zr) ₂ (Al, Co, Cr, Cu, Dy, Fe, Gd, Hf, Ho, Mg, Mn, Mo, Ni, Pu, Si, Ta, Ti, V, Zn, Zr) ₁	
LAZN13_D23	(La) ₁ (Zn) ₁₃	
LAZN2	(La) ₁ (Zn) ₂	
LAZN4	(La) ₁ (Zn) ₄	
LAZN7	(La) ₁ (Zn) ₇	
LI12SI7	(Li) ₁₂ (Si) ₇	
LI13SI4	(Li) ₁₃ (Si) ₄	
LI13SN5	(Li) ₁₃ (Sn) ₅	
LI22SI5	(Li) ₂₂ (Si) ₅	
LI22SN5	(Li) ₂₂ (Sn) ₅	
LI2SN5	(Li) ₂ (Sn) ₅	
LI3N	(Li) ₃ (N) ₁	
LI5SN2_D8L	(Li) ₅ (Sn) ₂	
LI7SI3	(Li) ₇ (Si) ₃	
LI7SN2	(Li) ₇ (Sn) ₂	
LI7SN3	(Li) ₇ (Sn) ₃	
LIH_B1	(Li) ₁ (H) ₁	
LISN	(Li) ₁ (Sn) ₁	
LN2SB	(Ce, Nd, Pr) ₂ (Sb) ₁	
LN3ZN22	(Ce, La, Pr) ₃ (Zn) ₂₂	
LN4M3_D73	(Ce, Nd, Pr, Sm) ₄ (Sb, Sn) ₃	
LNSB_B1	(Ce, Nd, Pr, Sm) ₁ (Sb) ₁	
LNSB2	(Ce, Nd, Pr, Sm) ₁ (Sb) ₂	
LNZN11	(Ce, La, Pr) ₁ (Zn) ₁₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
M10X7	(Cu, Ni) ₁₀ (Hf, Zr) ₇	
M12C	(Co, Fe) ₆ (W) ₆ (C) ₁	Co ₆ W ₆ C
M12R_D2B	(Mg, Mn) ₁₂ (Ce, Gd, Ho, Pr, Y) ₁	
M17R2	(Co, Fe, Mg, Ni, Zn) ₁₇ (Ce, Dy, Er, Eu, Gd, La, Nd, Pr, Sm, Sr, Tb, Th, Y) ₂	
M19R5	(Co) ₁₉ (Ce, Pr) ₅	
M19SM5	(Co, Ni) ₁₉ (Sm) ₅	
M23C6	(Co, Cr, Fe, Mn, Ni, V) ₂₀ (Co, Cr, Fe, Mn, Mo, Ni, V, W) ₃ (C) ₆	
M23Z6_D8A	(Co, Fe, Mg, Mn) ₂₃ (Dy, Gd, Ho, Pr, Sc, Sm, Sr, Tb, Y Zr) ₆	
M2B_TETR	(Co, Fe, Mn, Mo, Ni, W) ₂ (B) ₁	
M2C3_D5C	(Pu, U) ₂ (C) ₃	
M2LN3	(Ag, Ni, Pd) ₂ (Er, Eu, Sr) ₃	
M2P_C22	(Cr, Fe, Mn, Mo, Ni) ₂ (P) ₁	
M2R_C15	(Co, Fe, Mg, Mn, Ni) ₂ (Ce, Dy, Er, Gd, Ho, La, Nd, Pr, Pu, Sm, Tb, U, Y) ₁	
M2R_C32	(Al, Cu, Ni, si, Zn) ₂ (La, Th, Y) ₁	
M2TI	(Al, Ga) ₂ (Ti) ₁	
M2X3_D513	(Ni, Pd, Pt) ₂ (Ga, Ge, In) ₃	
M2X_B82	(La, Ni, Ti) ₂ (Ga, In, Sn) ₁	
M2Z3	(Au, Ni, Pd) ₂ (Dy, Gd, Sm, Tb, Y, Zr) ₃	
M2ZR_C14	(Fe, Si, Zr) ₂ (Fe, Si, Zr) ₁	
M2ZR_C15	(Ir, W) ₂ (Zr) ₁	
M2Z_C11B	(Ag, Cu) ₂ (Dy, Er, Sc, Y) ₁	
M2Z_C14	(Fe, Mg, Mn, Pd, Ru) ₂ (Eu, Sc, Sm, Tm, Zr) ₁	
M3B2_D5A	(V) ₃ (B) ₂	
M3B4_D7B	(Cr, Hf, Mn, Ti, V) ₃ (B) ₄	
M3C2	(Co, Cr, Mo, V, W) ₃ (C) ₂	
M3CA5_D8L	(Ag, Ga) ₃ (Ca) ₅	
M3LN7_D102	(Ni, Pd) ₃ (Ce, La, Pr, Sm, Th) ₇	
M3LN_L12	(Al, In, Mg, Pd, Sn) ₃ (Eu, La, Sc, Sm, Yb) ₁	
M3P_D0E	(Cr, Cu, Fe, Mn, Mo, Ni) ₃ (P) ₁	
M3R1	(Co, Fe, Ni) ₃ (Ce, Dy, Er, Gd, La, Pr, Sm, Tb, U, Y) ₂	
M3RU2	(Ge, Si, Sn) ₃ (Ru) ₂	
M3SI_D011	(Pd, Pt) ₃ (Si) ₁	
M3SI_D03	(Fe, Mn) ₃ (Al, Si) ₁	(Mn, Fe) ₃ Si
M3SI_P	(Nb, Ta, Ti, V, Zr) ₃ (Si) ₁	
M3SN2	(Co, Fe) ₃ (Sn) ₂	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
M3U_DIS	(Al, Si) _{0.75} (U, Zr) _{0.25}	
M3U_L12	(Al, Si) _{0.4275} (Al, Si) _{0.3225} (U, Zr) _{0.25}	
M3X2_B81	(Co, Ni) ₃ (Ga, Sn) ₂	
M3X7_D8F	(Pt, Ru) ₃ (Ga, Ge, Sn) ₇	
M3X_D011	(Co, Cr, Fe, Mn, Mo, Nb, Ni, V, W) ₃ (B, C, N) ₁	M ₃ B, Cementite
M3X_D019	(Co, Ni) ₃ (In, Mo, W, Zr) ₁	Co ₃ Mo, CoW, Ni ₃ In, Ni ₃ Zr
M3X_D022	(Ga, Ni, Pd) ₃ (In, Ti, V) ₁	Ga ₃ Ti, Ni ₃ V, α -Pd ₃ In
M3X_D024	(Fe, Ni, Pd, Ti, Zr) ₃ (Fe, Ni, Pd, Si, Ti, Zr) ₁	Fe ₃ Ti, Ni ₃ Si, Ni ₃ Ti, Pd ₃ Zr
M3X_D0A	(Au, Cu) ₃ (Ge, In, Sb, Zr) ₁	
M4N	(Co, Cr, Fe, Mn, Ni) ₄ (C, N) ₁	
M4X_D1A	(Ag, Cu, Ni) ₄ (Mo, Sc, W) ₁	
M51Z14	(Ag, Au, Cu) ₅₁ (Ce, Dy, Er, Hf, La, Pr, Y, Zr) ₁₄	
M5B6	(V) ₅ (B) ₆	
M5C2	(Fe, Mn, V) ₅ (C) ₂	
M5SI3_D88	(Cr, Fe, Gd, Hf, Mn, Sc, Y, Yb, Zr) ₅ (Al, Si) ₃	(Fe, Mn) ₅ Si ₃
M5SI3_D8L	(Nb, Ta, V) _{0.625} (Si, Sn) _{0.375}	
M5SM	(Co, Pd) ₅ (Sm) ₁	
M5X3_D82	(Co, Fe) ₅ (Ge, Sn) ₃	
M5X3_D8M	(Cr, Eu, Fe, Mo, Pu, Ta, Ti, V, W, Zr) ₅ (Al, Ga, Ge, Si, Sn) ₃	
M5X_D2D	(Ag, Co, Cu, Fe, Ni, Zn) ₅ (Ba, Ca, Ce, Dy, Er, Eu, Gd, Ho, La, Nd, Ni, Pr, Sm, Sr, Th, Y) ₁	
M5ZN8_GAMMA	(Ag, Au, Zn) ₂ (Ag, Au) ₂ (Ag, Au, Zn) ₃ (Ag, Zn) ₆	
M6C	(Co, Fe, Ni) ₂ (Mo, W) ₂ (Co, Cr, Fe, Mo, Ni, V, W) ₂ (C) ₁	
M6SI5	(Cr, Ti) ₆ (Si) ₅	
M7C3	(Co, Cr, Fe, Mn, Mo, Ni, V, W) ₇ (C) ₃	
M7R2	(Co, Cu, Fe, Ni) ₇ (Ce, Dy, Er, Gd, Ho, La, Nd, Pr, Sm, Y) ₂	
M7X2	(Co, Cr, Ni) ₇ (Hf, Nb, Ta, Zr) ₂	
M7X6_D85	(Co, Ni) ₆ (Co, Nb, Ni, Ta) ₁ (Co, Nb, Ni, Ta) ₂ (Mo, Nb, Ta) ₄	
M9IN4_GAMMA	(Ag, Cu) _{0.654} (Ag, Cu, In) _{0.115} (In, Sn) _{0.231}	
MB12_D2F	(U, Zr) ₁ (B) ₁₂	
MB2_C32	(Al, Cr, Hf, Mg, Mn, Sc, Ti, U, V, Zr) ₁ (B) ₂	
MB4_D1E	(Ce, Nd, Pr, U) ₁ (B) ₄	
MB6_D21	(Ba, Ca, Nd, Sr) ₁ (B) ₆	
MB_B27	(Co, Fe, Hf, Mn, Ti, Zr) ₁ (B) ₁	
MB_BF	(Cr, Mn, Ni, V) ₁ (B) ₁	
MC_ETA	(Mo, V, W) ₁ (C, Va) ₁	η Mo carbide

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
MC_SHP	(Mo, W) ₁ (C, N) ₁	WC / MoC (Simple Hexagonal Packed)
MG24Y5_A12	(Mg) ₂₄ (Ce, Gd, Mg, Nd, Pr, Y) ₄ (Y) ₁	
MG2GA5	(Mg) ₂ (Ga) ₅	
MG2GA_HP18	(Mg) ₂ (Ga) ₁	
MG2GD_C15	(Li, Mg) ₂ (Gd, Y) ₁	
MG2LN_C14	(Mg, Yb) ₂ (Mg, Tb, Yb) ₁	
MG2NI	(Mg) ₂ (Ni) ₁	
MG2X_C1	(Mg) ₂ (Ge, Pb, Si, Sn) ₁	
MG2Y_C14	(Mg, Y) ₂ (Ce, Gd, Mg, Nd, Pr, Y) ₁	
MG2ZN11_D8C	(Mg) ₂ (Cu, Zn) ₆ (Al, Zn) ₅	
MG2ZN3	(Mg) ₂ (Al, Cu, Zn) ₃	
MG38SR9	(Mg) ₃₈ (Sr) ₉	
MG3LN_D03	(Li, Mg) ₃ (Dy, Gd, Y) ₁	
MG3R_D03	(Mg, Zn) ₃ (Ce, La, Mg, Nd, Pr, Tb, Y) ₁	
MG41LN5	(Mg) ₄₁ (Ce, Nd, Pr, Y) ₅	
MG4EU	(Mg) ₄ (Eu) ₁	
MG5GA2_D8G	(Mg) ₅ (Ga) ₂	
MG5LN	(Mg) ₅ (Ce, Eu, Gd, Nd, Pr, Tb, Y) ₁	
MG7ZN3	(Mg) ₅₁ (Zn) ₂₀	
MGB4	(Mg) ₁ (B) ₄	
MGB7	(Mg) ₁ (B) ₇	
MGGA2	(Mg) ₁ (Ga) ₂	
MGGA_TI32	(Mg) ₁ (Ga) ₁	
MGX_A12	(Dy, Er, Gd, Ho, Mg, Tb, Tm) ₅ (Al, Mg, Zn) ₁₂ (Al, Mg, Zn) ₁₂	
MGZN	(Mg) ₁₂ (Al, Cu, Zn) ₁₃	
MLN_BF	(Pd, Sm, Tb) ₁ (Sm, Tb) ₁	
MLN_P	(Al, Mg) ₁ (Ce, Dy, Er, Gd, Ho, Nd, Pr, Sm) ₁	
MN11SI19	(Mn) ₁₁ (Al, Si) ₁₉	
MN19SN6_D019	(Mg) ₁₉ (Sn) ₆	
MN2B_D1F	(Mn) ₂ (B) _{0.98}	
MN2SN_D82	(Mn) ₂ (Sn) ₁	
MN2ZR_C14	(Mn) ₂ (Va, Zr) ₁	
MN3P2	(Mn) ₃ (P) ₂	
MN3TI	(Cr, Mn) ₃ (Ti) ₁	
MN4TI	(Cr, Mn) _{0.815} (Ti) _{0.185}	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
MN5SI2	(Mn) ₅ (Si) ₂	
MN6N4_ETA	(Mn) ₆ (N) ₄	
MN6N5_THETA	(Mn) ₆ (N) ₅	
MN6SI	(Al, Mn) ₆ (Si) ₁	
MN9SI2	(Mn) ₉ (Si) ₂	
MNB4	(Mn) ₁ (B) ₄	
MNNI2	(Mn, Ni) ₁ (Ni) ₂	
MNNI3	(Mn, Ni) ₁ (Mn, Ni) ₃	
MNNI_ALPHA	(Mn, Va) ₁ (Mn, Ni) ₁	
MNNI_BETA	(Mn, Ni) ₁ (Mn, Ni) ₁	
MNP4	(Mn) ₁ (P) ₄	
MNP_B31	(Mn) ₁ (P) ₁	
MNZN_L12	(Fe, Mn, Zn) _{0.75} (Fe, Mn, Zn) _{0.25} (Va) ₁	α' (MnZn13) in Mn-Zn
MNZN9	(Mn, Zn) ₁ (Mn, Zn) ₉	
MO2B5_D8I	(Mo) _{0.32} (B) _{0.68}	
MOB2_C32	(Mo) _{0.38} (B) _{0.62}	
MOB4	(Mo) ₁ (B) ₄	
MOB_BG	(Mo) _{0.5} (B) _{0.5}	
MONI_DELTA	(Cr, Fe, Ni) ₂₄ (Cr, Fe, Mo, Ni, Ta, W) ₂₀ (Mo, Ta, W) ₁₂	
MOP_BH	(Mo) ₁ (P) ₁	
MPT3_L12	(Co, Cr, Pt) ₁	
MPT_B20	(Al, Ga, Ge) ₁ (Pt) ₁	
MR2_C23	(Al, Au) ₁ (Ce, Dy, Er, Gd, Ho, Nd, Pr, Sm, Y) ₂	
MR3_D011	(Co, Fe, Ni) ₁ (Dy, Er, Gd, La, Pr, Sm, Y) ₃	
MR6_D2C	(Co, Fe, Ni) ₁ (Pu, U) ₆	
MR_B27	(Cu, Ni) ₁ (Ce, Dy, Er, Eu, La, Nd, Pr, Y) ₁	
MSB_BE	(Cd, Zn) ₁ (Sb) ₁	
MSC4	(Mn, Pd) ₁ (Sc) ₄	
MSI2_C11B	(Mo, W) ₁ (Si) ₂	
MSI2_C40	(Nb, Ta, V) ₁ (Si) ₂	
MSI2_C49	(Hf, Zr) ₁ (Si) ₂	
MSI2_OC48	(Fe, Os) ₁ (Si) ₂	
MSI_B27	(Gd, Hf, Pu, Ti, U, Zr) ₁ (Si) ₁	
MSN4_D1C	(Au, Ni, Pd) ₁ (In, Pb, Pd, Sn) ₄	
MTI_B11	(Ag, Cu, Ti) ₁ (Ag, Cu, Ti) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
MU_PHASE	(Co, Cr, Fe, Mn, Mo, Nb, Ni, Ta) ₇ (Mn, Mo, Nb, Ta, Ti, W) ₂ (Co, Cr, Fe, Mn, Mo, Nb, Ni, Ta, Ti, W) ₄	
MX13_D23	(Ba, Ca, Sr) ₁ (Cu, Zn) ₁₃	
MX2_C11B	(Ag, Au, Cu, Zn) ₁ (Hf, Ti, Zr) ₂	
MX2_C16	(Ag, Al, Au, Co, Cr, Fe, Ir, Mn, Ni, Pd, Si, Zn) ₁ (Hf, In, Pb, Sn, Ta, Th, V, Zr) ₂	
MX2_C2	(Ag, Au, Pt) ₁ (As, Bi, In, Sb) ₂	
MX2_CB	(Co, Cu, Nb) ₁ (In, Mg, Sn) ₂	
MX2_CF12	(Au, Co, Ni, Pt) ₁ (Al, Ga, Ge, In, Sb, Si, Sn) ₂	
MX2_D8B	(Al, Co, Nb, Pt, Ta, V) ₁₀ (Nb, Ta, V) ₄ (Al, Co, Nb, Pt, Ta, V) ₁₆	
MX3_A15	(Al, Cr, Ge, Nb, Pt, Si, Ta, Ti, V) ₁ (Al, Cr, Ge, Nb, Pt, Si, Ta, Ti, V) ₃	
MX3_L12	(In, Ti, U) ₁ (Cd, La, Si, Zn) ₃	
MX_B20	(Cr, Fe, Mn, Os, Ru) ₁ (Al, Ge, Si) ₁	
MX_B27	(Ag, Au, Zn) ₁ (Ba, Pr, Sr) ₁	
MX_B31	(Ni, Pd, Pt) ₁ (Ga, Ge, Si) ₁	
MX_B35	(Co, Fe, Ni) ₁ (In, Sn) ₁	
MX_B81	(Au, Ni) ₁ (As, In, Sn) ₁	
MZ2_C16	(Co, Fe, Mo, Ni, Ta, Zr) ₁ (Mo, Ta, Zr) ₂	
MZN13	(Fe, Va) _{0.072} (Al, Si, Va, Zn) _{0.072} (Al, Zn) _{0.856}	
MZN_B2	(Au, Pd, Zn) ₁ (Au, Pd, Zn) ₁	
MZ_B2	(Ag, Al, Au, Cu, In, Mg, Ru, Zn) ₁ (Ce, Dy, Er, Eu, Gd, Ho, La, Nd, Pr, Sc, Sm, Ti, Y, Yb, Zr) ₁	
MZ_B81	(Ni, Pd) ₁ (Ni, Pd, Va) ₁ (Ge, In, Pb, Sn) ₁	
MZ_BF	(Al, Au, Ge, Ni, Pd, Si, Sn) ₁ (Ce, Eu, Gd, Hf, La, Pr, Sc, Sm, Sr, Th, Y, Yb, Zr) ₁	
NB3SN_A15	(Nb, Si, Sn) ₃ (Nb, Si, Sn) ₁	
NB5SI3_BETA	(Nb) ₄ (Nb, Si) ₁ (Si) ₃	
NB5SISN2	(Nb) ₅ (Si) ₁ (Sn) ₂	
NB6SN5	(Nb) ₂₄ (Sn) ₁₆ (Nb, Sn) ₄	
NB6NI7_MU	(Nb, Ni) ₇ (Nb) ₆	
ND2B5	(Nd) ₂ (B) ₅	
NDB66	(Nd) ₁ (B) ₆₆	
NI11AS8	(Ni) ₁₁ (As) ₈	
NI11M9	(Ni) _{0.55} (Hf, Zr) _{0.45}	
NI12P5_DELTA	(Ni) ₁₂ (P) ₅	
NI12P5_GAMMA	(Ni) ₁₂ (P) ₅	
NI17LN4	(Ni) ₁₇ (Dy, Er) ₄	
NI19TH2	(Ni) ₁₉ (Th) ₂	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
NI21M8	(Ni) ₂₁ (Hf, Zr) ₈	
NI22ER5	(Ni) ₂₂ (Er) ₅	
NI2GE_C23	(Ni) _{0.665} (Ge) _{0.335}	
NI2IN_ZETA	(Ni, Va) ₁ (Ni) ₁ (In, Ni) ₁	
NI2SI_DELTA	(Ni) ₂ (Si) ₁	
NI2SI_THETA	(Ni) ₁ (Ni, Va) ₁ (Si) ₁	
NI2TA_C11B	(Ni) ₂ (Ta) ₁	
NI2V7_A15	(Ni) ₂ (V) ₇	
NI2V_OI6	(Ni) ₂ (V) ₁	
NI3CA	(Ni) ₃ (Ca) ₁	
NI3GA4	(Ni) _{0.43} (Ga) _{0.57}	
NI3GE_GAMMA	(Ni) _{0.744} (Ge) _{0.256}	
NI3HF_ALPHA	(Ni) ₃ (Hf) ₁	
NI3HF_BETA	(Ni) ₃ (Hf) ₁	
NI3IN7	(Ni) ₃ (In) ₇	
NI3M	(Mo, Nb, Ni, Ta, W) ₃ (Mo, Nb, Ni, Ta, W) ₁	
NI3SI_BETA2	(Ni) ₃ (Si, Ti) ₁	
NI3SI_BETA3	(Ni) ₃ (Si, Ti) ₁	
NI3SI2_EPSILON	(Ni) ₃ (Si) ₂	
NI3SN2_B81	(Ni, Sn) _{0.50} (Au, Cu, Ni) _{0.25} (Au, Cu, Ni) _{0.25}	
NI3SN4	(Cu, Ni) _{0.25} (Ni, Sn) _{0.25} (Sn) _{0.50}	
NI3SN_LT	(Cu, Ni) _{0.75} (In, Sn) _{0.25}	
NI4B3_M	(Ni) _{0.564} (B) _{0.436}	
NI4B3_O	(Ni) _{0.586} (B) _{0.414}	
NI4ER	(Ni) ₄ (Er) ₁	
NI4R	(Ni, Dy) ₄ (Dy, Gd, Y) ₁	
NI5AS2	(Ni) ₅ (As) ₂	
NI5GA3	(Ni) _{0.63} (Ga) _{0.37}	
NI5GE2_DELTA	(Ni) _{0.72} (Ge) _{0.28}	
NI5GE3_EPSILONP	(Ni) ₅ (Ge) ₃	
NI5HF_C15B	(Ni) ₅ (Hf) ₁	
NI5P2_HT	(Ni) ₅ (P) ₂	
NI5P2_LT	(Cu, Ni) ₅ (P) ₂	
NI5SI2_GAMMA	(Ni, Ti) ₅ (Si) ₂	
NI5U_C15B	(Ni) ₅ (U) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
NI5ZN8_GAMMA	(Ni, Zn) ₁	
NI5ZR_C15B	(Ni, Zr) ₅ (Va, Zr) ₁	
NI77U23_DELTA	(Ni) _{0.77} (U) _{0.23}	
NI78U22_EPS	(Ni) ₇ (U) ₂	
NI7CA2	(Ni) ₇ (Ca) ₂	
NI7HF3	(Ni) ₇ (Hf) ₃	
NI7TH2_ALPHA	(Ni) ₇ (Th) ₂	
NI7TH2_BETA	(Ni) ₇ (Th) ₂	
NI7TH4	(Ni) ₇ (Th) ₄	
NI7U5	(Ni) ₇ (U) ₅	
NI8M	(Ni) ₈ (Nb, Ta) ₁	
NI9U7	(Ni) ₉ (U) ₇	
NIAS2	(Ni) ₁ (As) ₂	
NIGA4_D82	(Ni) ₁ (Ga) ₄	
NIHF_BETA	(Ni) ₁ (Hf) ₁	
NIHF2_C16	(Ni, Va) ₁ (Hf) ₂	
NIIN_DELTA	(Ni, Va) ₁ (In, Ni) ₁	
NISITI_TAU1	(Ni) ₁ (Si) ₁ (Ti) ₁	
NISITI_TAU2	(Ni) ₄ (Si) ₇ (Ti) ₄	
NISITI_TAU3	(Ni) ₄₀ (Si) ₃₁ (Ti) ₁₃	
NISITI_TAU4	(Ni) ₁₆ (Si) ₇ (Ti) ₆	
NISITI_TAU5	(Ni) ₁₃ (Si) ₁ (Ti) ₂	
NISR	(Ni) ₁ (Sr) ₁	
NITH	(Ni) ₁ (U) ₁	
NITI2	(Fe, Ni) ₁ (Ti) ₂ (C, Va) _{0.5}	
NIW2	(Ni) ₁ (W) ₂	
NIW_X	(Ni) ₁ (W) ₁	
NIZN_BETA1	(Ni, Zn) ₁	
NIZN_DELTA	(Ni) ₁ (Zn) ₈	
NP2ZR	(Np, Zr) ₂ (Zr) ₁	
NP4ZR	(Np) ₄ (Zr) ₁	
OS2SI3	(Os) ₂ (Si) ₃	
PBTE	(Pb) ₁ (Te) ₁	
PD11ZR9	(Pd) ₁₁ (Zr) ₉	
PD13PB9	(Pd) ₁₃ (Pb) ₉	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
PD14SI3	(Pd) ₁₄ (Si) ₃	
PD15SI4	(Pd) ₁₅ (Si) ₄	
PD20SN13	(Pd, Sn) ₃ (Pd, Sn) ₂	
PD21SI4	(Pd, Si) ₂₁ (Si) ₄	
PD21SM10	(Pd) ₂₁ (Sm) ₁₀	
PD21TB10	(Pd) ₂₁ (Tb) ₁₀	
PD2M_C23	(Pd) ₂ (In, Sn, Zn) ₁	
PD2SC	(Pd) ₂ (Sc) ₁	
PD2SI_1P	(Pd, Si) ₂ (Si) ₁	
PD2SI_2P	(Pd) ₁₉ (Si) ₁₀	
PD2SI_3P	(Pd) ₃₉ (Si) ₂₀	
PD2SI_C22	(Pd, Si) ₂ (Si) ₁	
PD2TB5	(Pd) ₂ (Tb) ₅	
PD2ZN9_GAMMA	(Pd, Zn) ₂ (Pd, Zn) ₉	
PD3LN_L12	(Pd) ₃ (Pd, Sm, Tb) ₁	
PD3M_L12	(Fe, Pd, Sn) _{0.75} (Fe, Pd, Sn) _{0.25}	
PD3PB_L12	(Pd) _{0.75} (Pb, Pd) _{0.25}	
PD3SN2_ALPHA	(Pd) ₃ (Sn) ₂	
PD3SN2_BETA	(Pd) ₃ (Sn) ₂	
PD3SN2_DELTA	(Pd) ₁₃ (Sn) ₉	
PD3TB2_ALPHA	(Pd) ₃ (Tb) ₂	
PD3TB2_BETA	(Pd) ₃ (Tb) ₂	
PD4Z3	(Pd) ₄ (Sm, Tb, Zr) ₃	
PD5PB3_ALPHA	(Pd) ₅ (Pb) ₃	
PD5PB3_GAMMA	(Pd) ₁ (Pb) ₁ (Pd, Va) ₁	
PD5SI	(Pd) ₅ (Si) ₁	
PD7LN	(Pd) ₇ (Eu, Sm, Tb) ₁	
PD9SI2	(Pd) ₉ (Si) ₂	
PDPB	(Pd) ₁ (Pb) ₁	
PDSC_B2	(Pd, Va) ₁ (Sc) ₁	
PDSC2	(Pd) ₁ (Sc) ₂	
PDSM_BETA	(Pd, Sm) ₁ (Sm) ₁	
PDSN_B31	(Pd, Va) _{0.5} (Pd, Sn) _{0.5}	
PDSN2_CE	(Pd, Sn) ₁ (Sn) ₂	
PDSN3	(Pb, Pd) ₁ (Pd, Sn) ₃	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
PDTB_BETA	(Pd, Tb) ₁ (Tb) ₁	
PDZN2	(Pd) ₁ (Zn) ₂	
PDZN_BETA1	(Pd, Zn) ₁ (Pd, Zn) ₁	
PDZR_ALPHA	(Pd) ₁ (Zr) ₁	
PDZR_BETA	(Pd) ₁ (Zr) ₁	
PDZR_C11B	(Pd) ₁ (Zr) ₁ (Pd, Zr) ₁	
PI_PHASE	(Cr) _{12.8} (Fe, Ni) _{7.2} (N) _{4.0}	
PR13ZN58	(Pr) ₁₃ (Zn) ₅₈	
PR2B5	(Pr) ₂ (B) ₅	
PR2ZN17_ALPHA	(Pr) ₂ (Zn) ₁₇	
PR2ZN17_BETA	(Pr) ₂ (Zn) ₁₇	
PR3ZN11	(Pr) ₃ (Zn) ₁₁	
PRB6_D21	(B, Pr) ₁ (B) ₆	
PRZN2_ALPHA	(Pr) ₁ (Zn) ₂	
PRZN2_BETA	(Pr) ₁ (Zn) ₂	
PRZN3	(Pr) ₁ (Zn) ₃	
PRZN_B2	(Pr) _{0.5} (Zn) _{0.5}	
PT17SI8_ALPHA	(Pt) ₁₇ (Si) ₈	
PT17SI8_BETA	(Pt) ₁₇ (Si) ₈	
PT25SI7	(Pt) _{0.782} (Si) _{0.218}	
PT2SI_ALPHA	(Pt) ₂ (Si) ₁	
PT2SI_BETA	(Pt) ₂ (Si) ₁	
PT2TA_C49	(Pt) ₂ (Ta) ₁	
PT2V	(Pt, V) ₂ (Pt, V) ₁	
PT3SI_ALPHA	(Pt) ₃ (Si) ₁	
PT3TA	(Pt) ₃ (Ta) ₁	
PT3TI_L12	(Pt) ₃ (Pt, Ti) ₁	
PT3TI4	(Pt) ₃ (Ti) ₄	
PT3V_D022	(Pt, V) ₃ (Pt, V) ₁	
PT5SI2	(Pt) ₅ (Si) ₂	
PT6SI5	(Pt) ₆ (Si) ₅	
PT8TI_D1A	(Pt) ₈ (Ti) ₁	
PTTA_H	(Pt) _{0.52} (Ta) _{0.48}	
PTTI_ALPHA	(Pt, Ti) ₁ (Pt, Ti) ₁	
PTTI_BETA	(Pt, Ti) ₁ (Pt, Ti) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
PTV3_A15	(Pt, V) ₁ (Pt, V) ₃	
PTV_B19	(Pt, V) ₁ (Pt, V) ₁	
PU3C2	(Pu) ₃ (C) ₂	
PU6ZR_THETA	(Pu, Zr) ₆ (Pu, Zr) ₁	
PUU_ETA	(Fe, Pu, U, Zr) ₁	
PUU_ZETA	(Pu, U, Zr) ₁	
P_PHASE	(Cr, Fe, Ni) ₂₄ (Cr, Fe, Mo, Ni) ₂₀ (Mo) ₁₂	Fe ₁₁ Mo ₅₃ Ni ₃₆
R2Y_C19	(Nd, Pr, Y) ₂ (Nd, Pr, Y) ₁	
R3SI5_C32	(Gd, Pu, U, Y) ₃ (Al, Si) ₅	
R5M4	(Gd, Y, Yb) ₅ (Ge, Si) ₄	
RU2SI_C23	(Ru) ₂ (Si) ₁	
RU2SN3	(Ru) ₂ (Ge, Sn) ₃	
RU4SI3	(Ru) ₄ (Si) ₃	
R_PHASE	(Co, Cr, Fe, Mn, Ni) ₂₇ (Mo, W) ₁₄ (Co, Cr, Fe, Mn, Mo, Ni, W) ₁₂	
SB2SN3	(Sb) ₂ (Sn) ₃	
SB2ZN3_ETA	(Sb) _{0.38} (Zn) _{0.62}	
SB2ZN3_ZETA	(Sb) ₂ (Zn) ₃	
SB3ZN4_DELTA	(Sb) _{0.425} (Zn) _{0.575}	
SB3ZN4_EPSILON	(Sb) _{0.425} (Zn) _{0.575}	
SB4ZN5_GAMMA	(Sb) _{0.45} (Zn) _{0.55}	
SBSN_BETA	(Bi, In, Pb, Sb, Sn) ₁ (Bi, In, Sb, Sn) ₁	
SC2SI3_ALPHA	(Sc) ₂ (Si) ₃	
SC2SI3_BETA	(Sc) ₂ (Si) ₃	
SCB12_D2B	(Sc) ₁ (B) ₁₂	
SI3N4	(Si) ₃ (N) ₄	
SIB_N	(Si) ₁ (B, Si) ₈ (B) ₆₁	
SIB3	(Si) ₂ (B, Si) ₆ (B) ₆	
SIB6	(Si) ₂₃ (B, Si) ₄₈ (B) ₂₁	
SIC	(Si) ₁ (C) ₁	
SIGMA	(Al, Co, Fe, Mn, Ni) ₈ (Cr, Mo, Ti, V, W) ₄ (Al, Co, Cr, Fe, Mn, Mo, Ni, Si, Ti, V, W) ₁₈	
SIP	(Si) ₁ (P) ₁	
SM11SN10	(Sm) ₁₁ (Sn) ₁₀	
SM2SN3	(Sm) ₂ (Sn) ₃	
SM5SB3_BETA	(Sm) ₅ (Sb) ₃	
SM5SN4	(Sm) ₅ (Sn) ₄	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
SMSN2	(Sm) ₁ (Sn) ₂	
SN3TI5ZN12	(Sn) ₃ (Ti) ₅ (Zn) ₁₂	
SN4P3	(Sn) ₄ (P) ₃	
SRCU5_D2D	(Sr) ₁ (Cu) ₅	
SRCU_X	(Sr) ₁ (Cu) ₁	
SRZN5_ALPHA	(Sr) ₁ (Zn) ₅	
TA3FE2	(Fe, Ta) ₃ (Fe, Ta) ₂	
TA5SI3_HT	(Ta) _{0.62} (Si) _{0.38}	
TAN_EPSILON	(Ta) ₁ (N) ₁	
TAVSI_TAU1	(Ta, V) ₅ (Si) ₃	
TAVSI_TAU2_C14	(Ta, V) ₁ (Si, Ta, V) ₂	
TAVSI_TAU3_C15	(Ta, V) ₁ (Si Ta, V) ₂	
TET_ALPHA1	(Bi, In, Pb, Sn) ₁	
THZN4_D13	(Th) ₁ (Zn) ₄	
TI2N_C4	(Ti) ₂ (C, N) ₁	
TI3M_D019	(Ga, Sn, Ti) ₃ (Ga, Sn, Ti) ₁	
TI3N2	(Ti) _{0.71} (N) _{0.29}	
TI3SIC2	(Ti) ₃ (Si) ₁ (C) ₂	
TI4N3_ZETA	(Ti) _{0.685} (N) _{0.315}	
TI6SN5	(Ti) ₆ (Sn) ₅	
TIAU2_C11B	(Ti) ₁ (Au) ₂	
TIAU4_D1A	(Au, Ti) ₁ (Au) ₄	
TIMN_ALPHA	(Ti) ₁ (Cr, Mn) ₁	
TIMN_BETA	(Ti) _{0.485} (Cr, Mn) _{0.515}	
TISI2_C54	(Cr, Ti) ₁ (Si) ₂	
TIZN10	(Ti) ₁ (Zn) ₁₀	
TIZN15	(Ti) ₁ (Zn) ₁₅	
TIZN2	(Ti) ₁ (Zn) ₂	
TIZN5	(Ti) ₁ (Zn) ₅	
T_M23B6	(Ni) ₂₀ (Al, Cr Zr) ₃ (B) ₆ (Va) ₆	
U20SI15C3	(U) ₂₀ (Si) ₁₆ (C) ₃	
U2N3_ALPHA	(U, Va) ₂ (N) ₃	
U2N3_BETA	(U) _{0.413} (N) _{0.587}	
U3AL2SI3	(U) ₃ (Al) ₂ (Si) ₃	
U3SI_D0C	(U) ₃ (Si) ₁	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
UC2	(U) ₁ (C, Va) ₂	
USI2_C32	(U) ₁ (Si) ₂	
USI2_CC	(Pu, U) ₁ (Al, Si) _{1.88}	
UZR_DELTA	(Zr) ₁ (Pu, U, Zr) ₁ (Pu, U, Zr) ₁	
V11GE8	(V) ₁₁ (Ge) ₈	
V17GE31	(V) ₁₇ (Ge) ₃₁	
V2B3	(V) ₂ (B) ₃	
V2SN3_CB	(V) ₂ (Sn) ₃	
V2ZR_A15	(V) ₂ (Zr) ₁	
V3SN_A15	(V) _{0.795} (Sn) _{0.205}	
V6SI5	(Ta, V) ₆ (Si) ₅	
W2B5_D8H	(W) ₂ (B, Va) ₅	
WB4	(W) ₂ (B) ₉	
WB_ALPHA	(W) ₁ (B, Va) ₁	
WB_BETA	(W) ₁ (B, Va) ₁	
XN_B4	(Al, Ga) ₁ (N) ₁	
XZ_B2	(In, Ir, Yb, Zr) ₁ (In, Ir, Yb, Zr) ₁	
XZN2	(Ca, Sr) ₁ (Zn) ₂	
Y3SI5_HT	(Y) ₃ (Si) ₅	
YB3SI5	(Yb) ₃ (Si) ₅	
YB8SI11	(Yb) ₈ (Si) ₁₁	
YBSI2_C32	(Yb) ₁ (Si) _{1.74}	
YSI2_HT	(Y) ₁ (Si) ₂	
Z3SI2_D5A	(Pu, U, Zr) ₃ (Si) ₂ (C, Va) _{0.5}	
Z5M3_D88	(Gd, Nd, Pr, Sm, Ti, Zr) ₅ (Ge, Ir, Pb, Sb, Sn) ₃	
Z5SI3_D88	(Cr, Si, Ti) ₂ (Cr, Si, Ti) ₃ (Cr, Ti) ₃ (C, N, Va) ₁	(Cr,Ti) ₅ Si ₃ (C,N,Va)x
Z5SI4_ALPHA	(Hf, Ti, Zr) ₅ (Al, Si) ₄	
Z5SI4_BETA	(Zr) ₅ (Si) ₄	
ZINCBLENDE_B3	(Al, Cd, Ga, Hg, In) _{0.5} (As, P, Sb, Te) _{0.5}	
ZR2ZN_D022	(Zr) ₂ (Zn) ₁	
ZR3ZN2	(Zr) ₃ (Zn) ₂	
ZR4PB	(Zr) ₄ (Pb) ₁	
ZR4SN_A15	(Sn, Zr) ₃ (Sn, Zr) ₁	
ZR5SN3_D88	(Zr) ₅ (Sn) ₃ (Sn, Va) ₁	
ZR5ZN39	(Zr) ₅ (Zn) ₃₉	

(つづく)

相名	副格子と構成成分 (Va は空格子点)	(つづき)
ZRPB2	(Zr) ₁ (Pb) ₂	
ZRSI_BF	(Zr) ₁ (Si) ₁	
ZRSN2_C54	(Zr) ₁ (Sn) ₂	
ZRZN22	(Zr) ₁ (Zn) ₂₂	
ZRZN2_C15	(Zr) ₁ (Zn) ₂	
ZRZN3_HT	(Zr) ₁ (Zn) ₃	
ZRZN3_LT	(Zr) ₁ (Zn) ₃	
		以上

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