

Appendix 3.
Universal matrix¹⁴ **U**(a, b, c) (**Dval**^{12, 13} matrix) of 2,3-dimethylhexane.

0	$1^a3^b1^c$	$1^a3^b2^c$	$1^a2^b3^c$	$1^a2^b4^c$	$1^a1^b5^c$	$1^a1^b2^c$	$1^a1^b3^c$
$3^a1^b1^c$	0	$3^a3^b1^c$	$3^a2^b2^c$	$3^a2^b3^c$	$3^a1^b4^c$	$3^a1^b1^c$	$3^a1^b2^c$
$3^a1^b2^c$	$3^a3^b1^c$	0	$3^a2^b1^c$	$3^a2^b2^c$	$3^a1^b3^c$	$3^a1^b2^c$	$3^a1^b1^c$
$2^a1^b3^c$	$2^a3^b2^c$	$2^a3^b1^c$	0	$2^a2^b1^c$	$2^a1^b2^c$	$2^a1^b3^c$	$2^a1^b2^c$
$2^a1^b4^c$	$2^a3^b3^c$	$2^a3^b2^c$	$2^a2^b1^c$	0	$2^a1^b1^c$	$2^a1^b4^c$	$2^a1^b3^c$
$1^a1^b5^c$	$1^a3^b4^c$	$1^a3^b3^c$	$1^a2^b2^c$	$1^a2^b1^c$	0	$1^a1^b5^c$	$1^a1^b4^c$
$1^a1^b2^c$	$1^a3^b1^c$	$1^a3^b2^c$	$1^a2^b3^c$	$1^a2^b4^c$	$1^a1^b5^c$	0	$1^a1^b3^c$
$1^a1^b3^c$	$1^a3^b2^c$	$1^a3^b1^c$	$1^a2^b2^c$	$1^a2^b3^c$	$1^a1^b4^c$	$1^a1^b3^c$	0

Elements of the universal matrix defined here as topological indices.

No.	1	2	3	4	5	6	7	8
1	0	u_{12}	u_{13}	u_{14}	u_{15}	u_{16}	u_{17}	u_{18}
2	u_{21}	0	u_{23}	u_{24}	u_{25}	u_{26}	u_{27}	u_{28}
3	u_{31}	u_{32}	0	u_{34}	u_{35}	u_{36}	u_{37}	u_{38}
4	u_{41}	u_{42}	u_{43}	0	u_{45}	u_{46}	u_{47}	u_{48}
5	u_{51}	u_{52}	u_{53}	u_{54}	0	u_{56}	u_{57}	u_{58}
6	u_{61}	u_{62}	u_{63}	u_{64}	u_{65}	0	u_{67}	u_{68}
7	u_{71}	u_{72}	u_{73}	u_{74}	u_{75}	u_{76}	0	u_{78}
8	u_{81}	u_{82}	u_{83}	u_{84}	u_{85}	u_{86}	u_{87}	0

u_{21} , for example, marks the matrix element $u_{21}(a, b, c)$.