

Lederberg

Memo from
JC UA LEDERBERG

To: N Shave

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Graph enumerations:

Can you improve on the inelegant approaches indicated in the enclosures?

The general problem is the generation, and canonical encoding, of all chemical graphs (roughly speaking, valence ≤ 4 ; slings but not loops allowed).

For this purpose we map strings of (bivalent) atoms on to edges of trivalent (more generally, tetravalent) graphs, and it is these that are described in Part II. Might we do better?

See also Paper V., p. 493-4.

WJ

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