

An application of algebra to genetics

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Phenotype systems can often be explained by assigning some factors to every gene in such a way that two genotypes imply the same phenotype if and only if they have the same factors assigned. The following problems arise: Given a phenotype system decide if such an explanation is possible. In such a case construct a corresponding assignment between genes and factors. Both problems are solved using algebraic methods.

[1] Helmut Länger: *An interesting application of algebra to genetics*, Elemente der Math. 60 (2005), 25-32

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