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Directional monotonicity of fusion functions

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## Highlights

- Introduction of fusion functions extending the notion of aggregation functions.
- Introduction of directional monotonicity of fusion functions.
- Study of directional monotonicity of composite and transformed fusion functions.
- Study of the set  $D^+(F)$  of all directions making a fusion function  $F$  increasing.
- A complete description of  $D^+(F)$  for continuous piecewise linear fusion functions.

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