

# Doing two things at once

is sometimes harder than just doing two things at once

- **Analytic reduction**

- Sometimes multiphysics problems can be reduced “purely formally”
- ... *sometimes*
- *The problem of heat exchange between two fluid streams in boundary layer flow separated by a flat plate is considered. A general analysis applicable to cocurrent or countercurrent, laminar or turbulent flow is presented. An exact solution for the temperature distribution and the heat transfer along the plate is obtained **for the special case of constant property, cocurrent, inviscid flow**. ([DOI:10.1016/0017-9310\(71\)90180-3](https://doi.org/10.1016/0017-9310(71)90180-3))*

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- **Category theory**
  - ... just use an operad or something?