**Conduction in an orthotropic rectangle**

from H.S. Carlslaw and J.C. Jaeger, Conduction of Heat in Solids, 2nd. ed, Oxford, 1959, pp. 166-169, **case V** (Eq. 26) p. 169

The equation solved: 

where  and *Kij* is the conductivity.

The domain is 0≤x≤a, 0≤y≤b

The BCs are 

where f(x) is a given function, written as





The solution is:



We choose a specific case: , so that

