

## Errata

to

P. Stähle "A Note on Necking in Thin Plates at Large Scale Yielding",  
Report from Lund Institute of Technology, Division of Solid  
Mechanics, TFHF-3021, 1985.

Page 12 row 5: Near the x-axis...

Should be: In the vicinity of the crack tip, near the x-axis, the angle between the characteristic curves and the x-axis decreases to zero.

Page 14, the entire chapter should be:

The Hill's conditions for incipient necking were studied in the region closest to the crack tip. The result was that necks initiated at the crack tip may only be developed in the direction straight ahead of the crack tip. In the plastic zone remote from the crack tip necks may be initiated in directions of about  $35^\circ$  to the x-axis, but these are not connected to the crack tip.

At experiments necking occurred in directions very close to  $35^\circ$  which is the theoretical result for isotropic uncracked plates. A variation depending on the rolling direction of the plate was noted. This indicates some influence of material anisotropy.

Only incipient necking was studied, but it seems reasonable to assume that the neck is initiated in the remote part of the plastic zone and then grows in to the crack tip.

It is interesting to note that it on occasions at the experiments occurred that the neck developed straight ahead of the crack tip. Then again as the experiment was repeated under the same conditions the neck developed in a direction of about  $35^\circ$  to the x-axis.