

**FACULTÉ DES SCIENCES APPLIQUÉES****Service d'Aéro-Thermo-Mécanique**

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TURBOMACHINERY

Part 5: Axial turbines

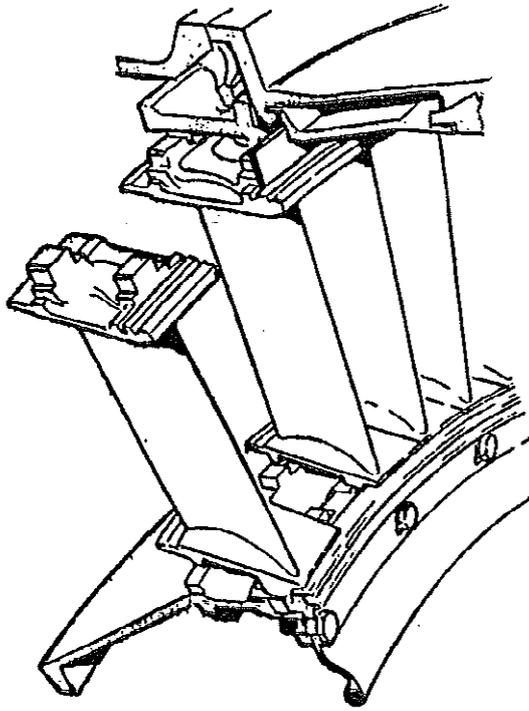
Figures

by

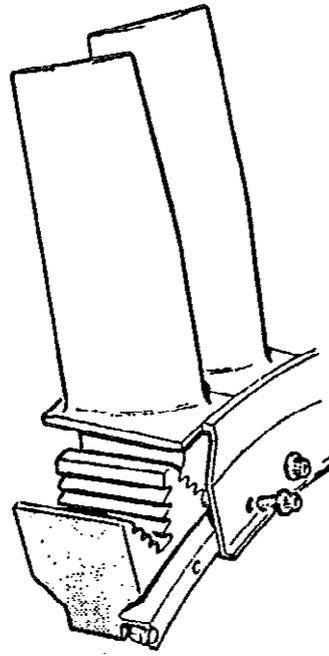
Professor Patrick HENDRICK

MECA - H - 402

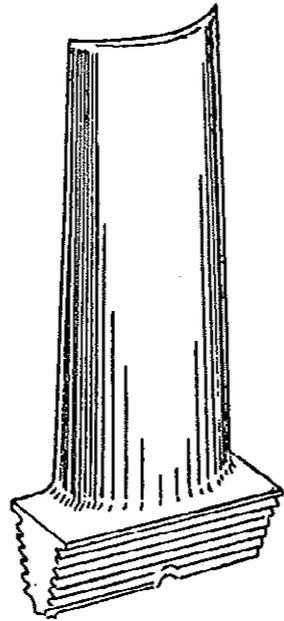




Leischoepen - Aubes fixes

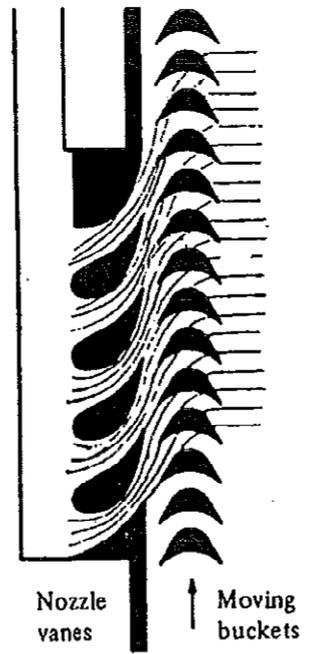


Loopschoepen - Abes mobiles



Schoep - Aube

Fig. 1



Nozzle
vanes

↑
Moving
buckets

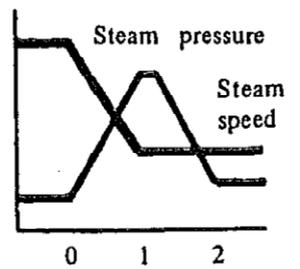


Fig. 2

Etage à action - Actietrap

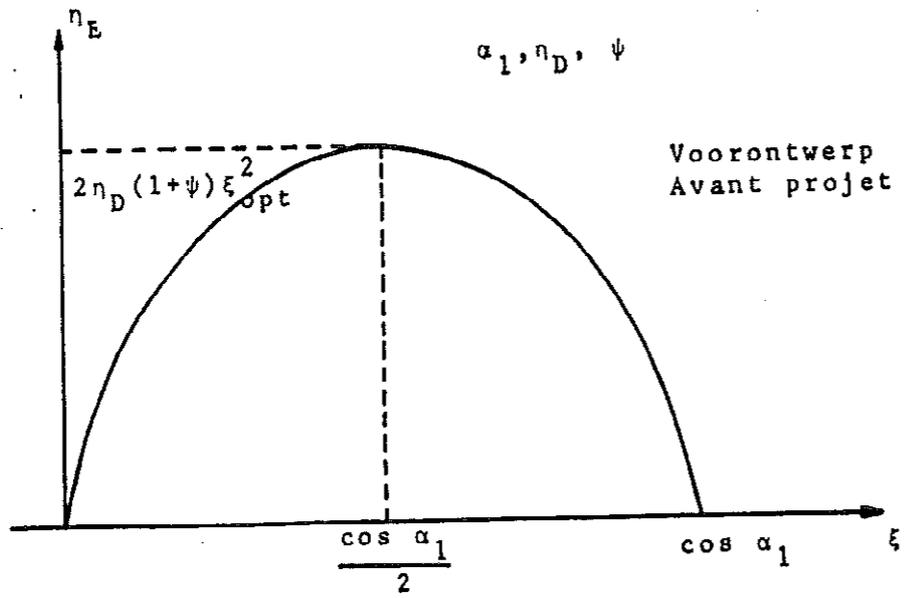
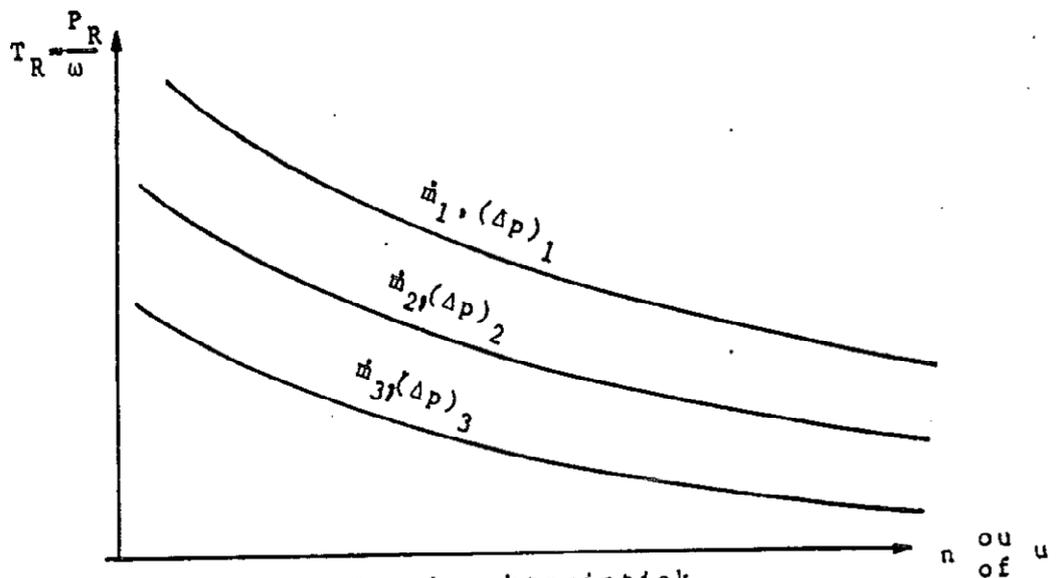
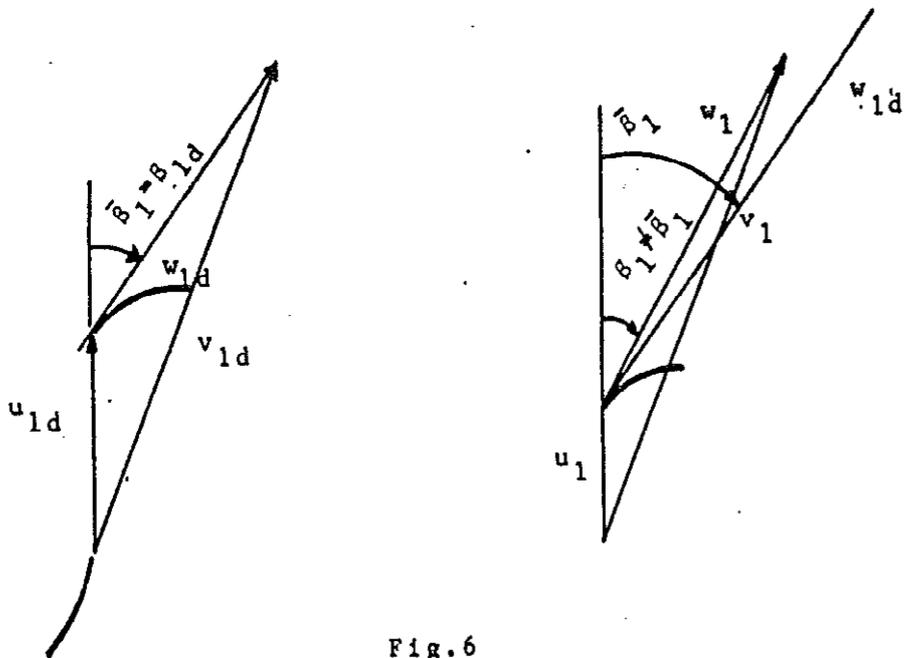
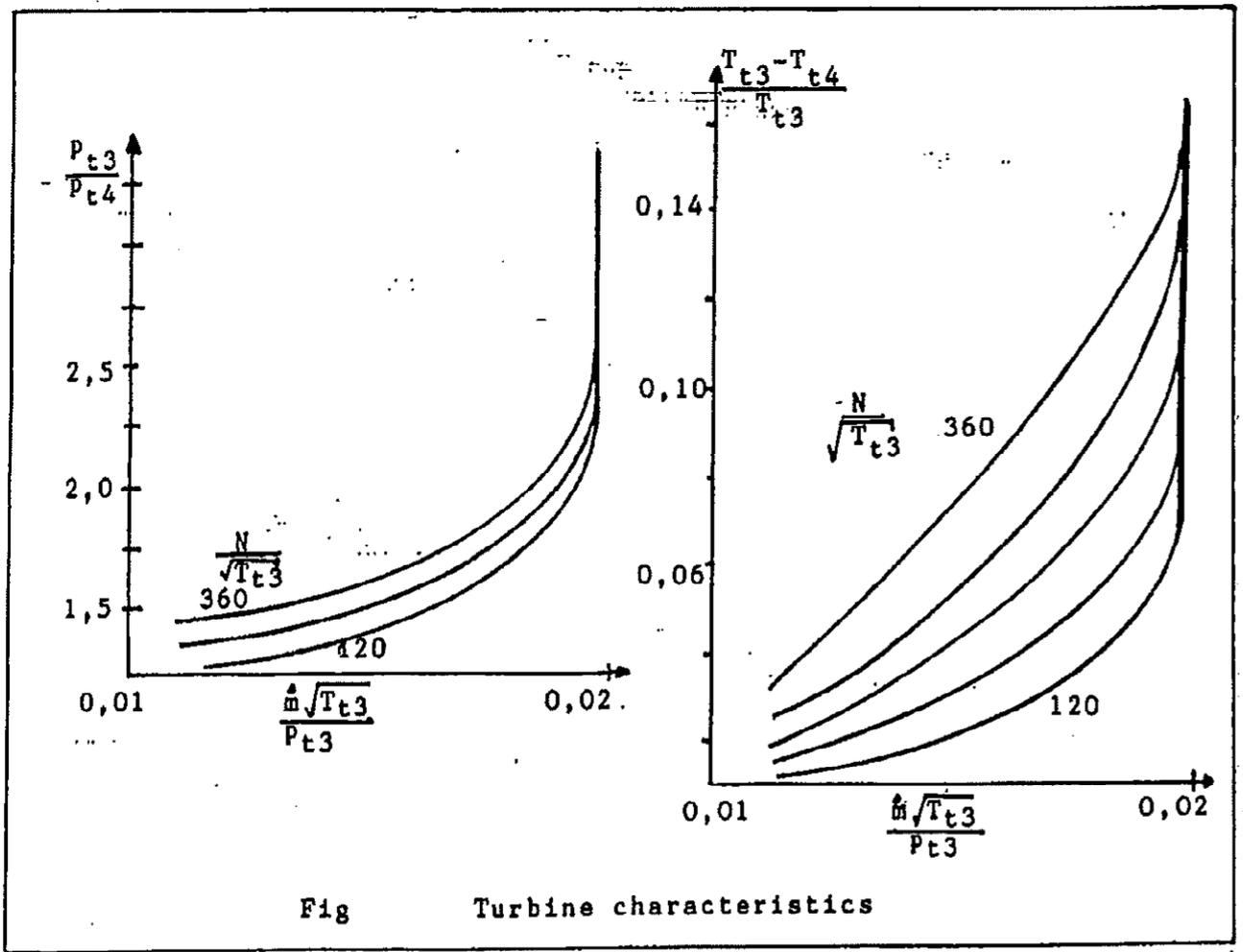
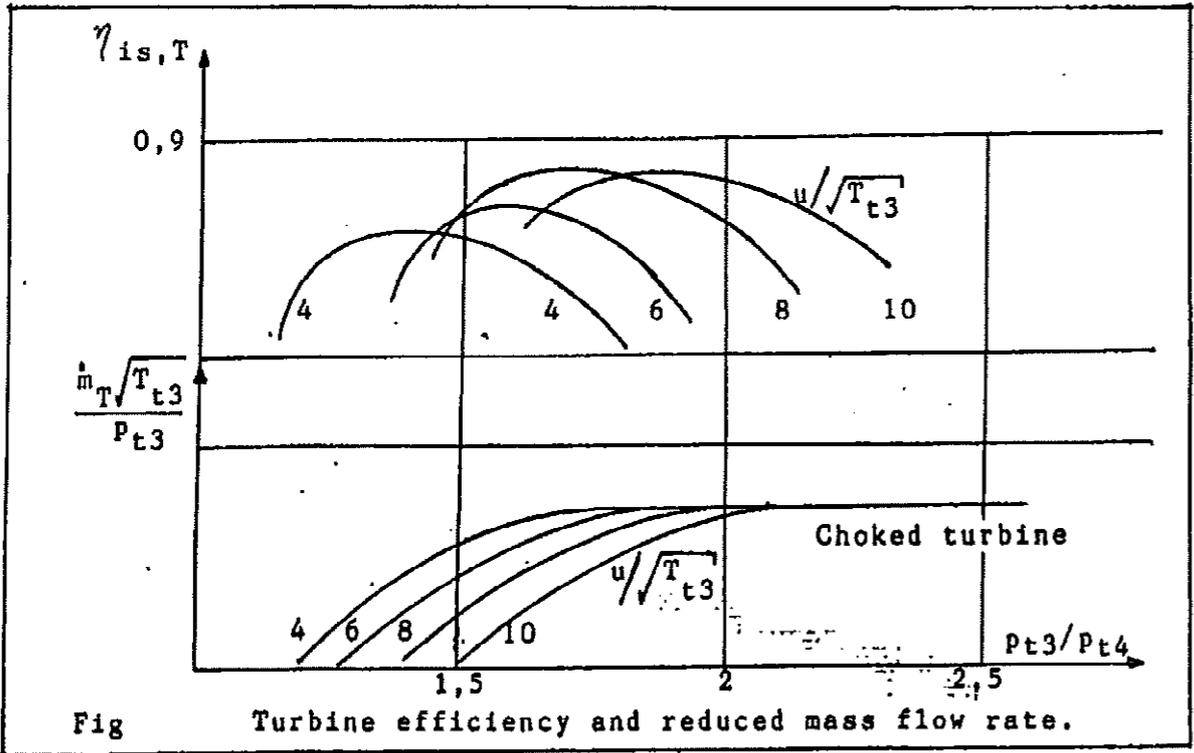
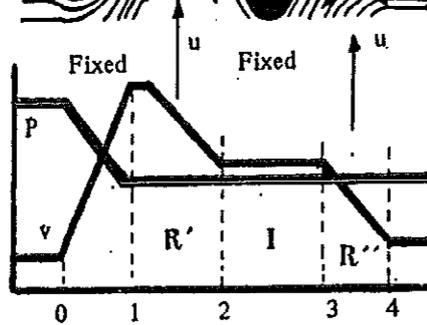
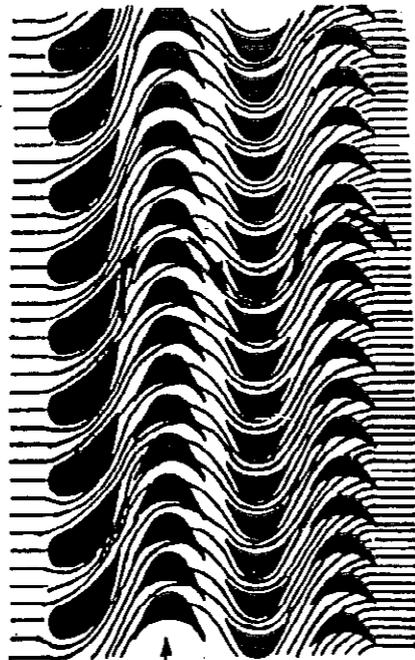


Fig.5



Turbine karakteristiek
Fig.7, Caractéristique de turbine





Etage á action - Actietrap

Fig. 8

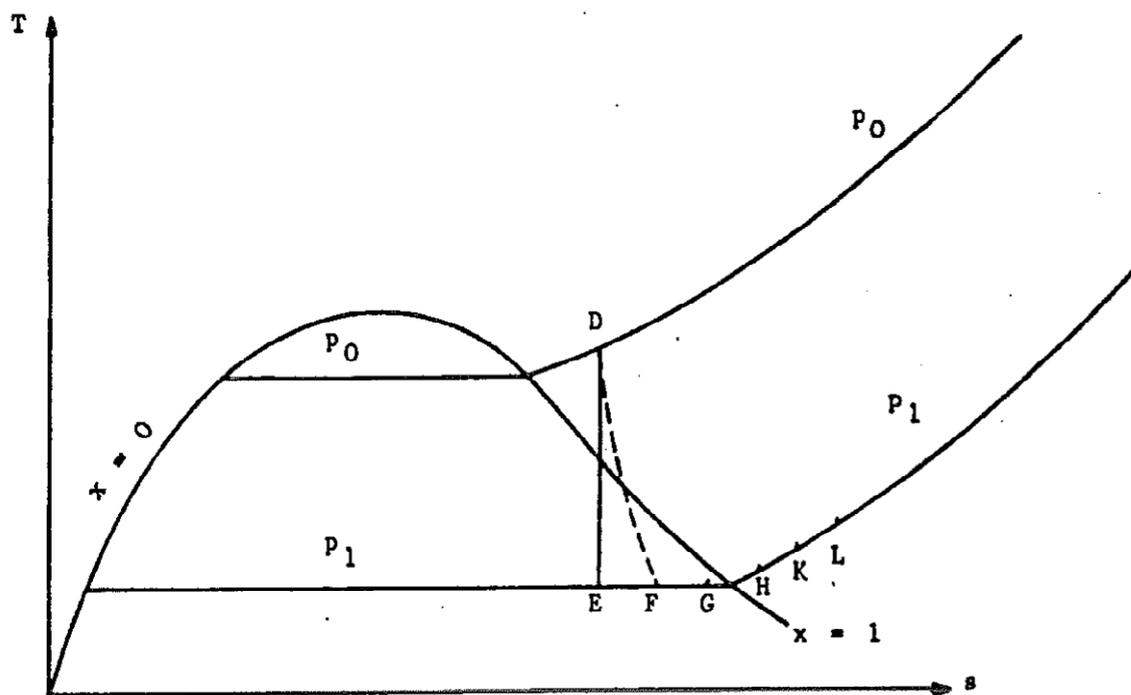


Fig. 9

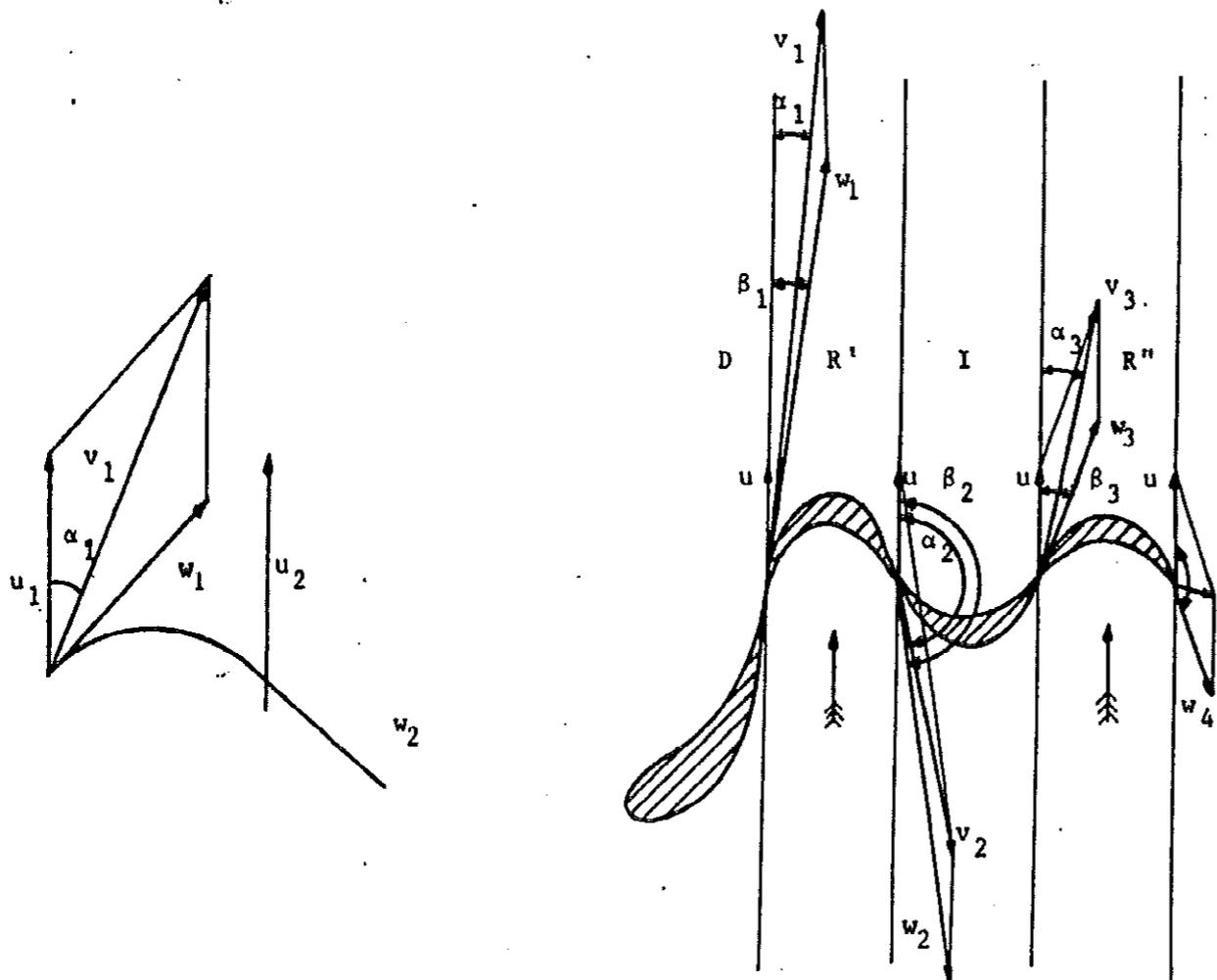


Fig. 10

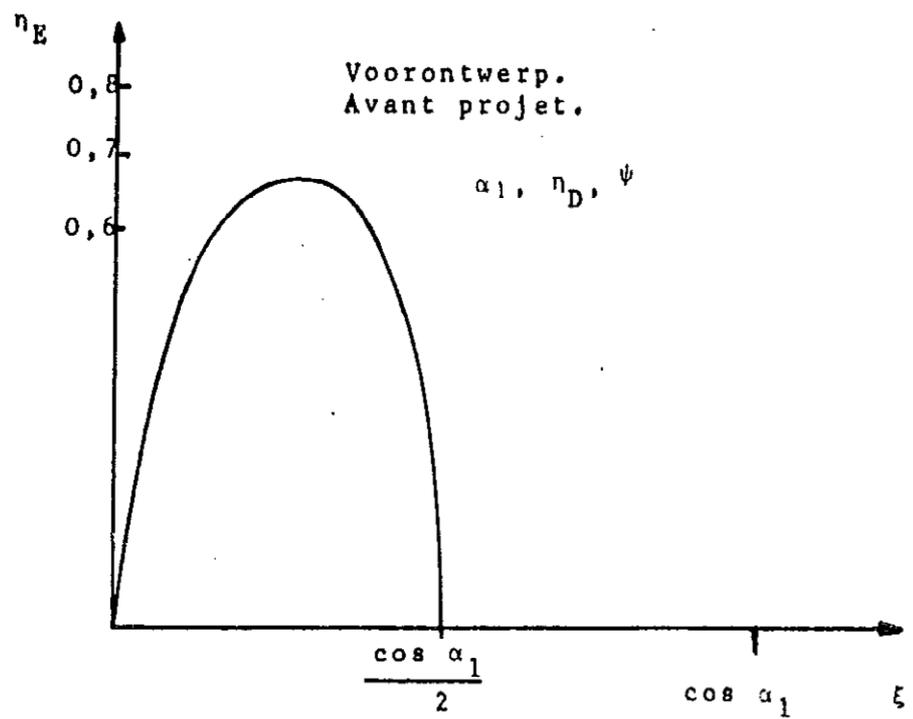


fig 11 Twee snelheidstrappen.
Deux étages de vitesses.

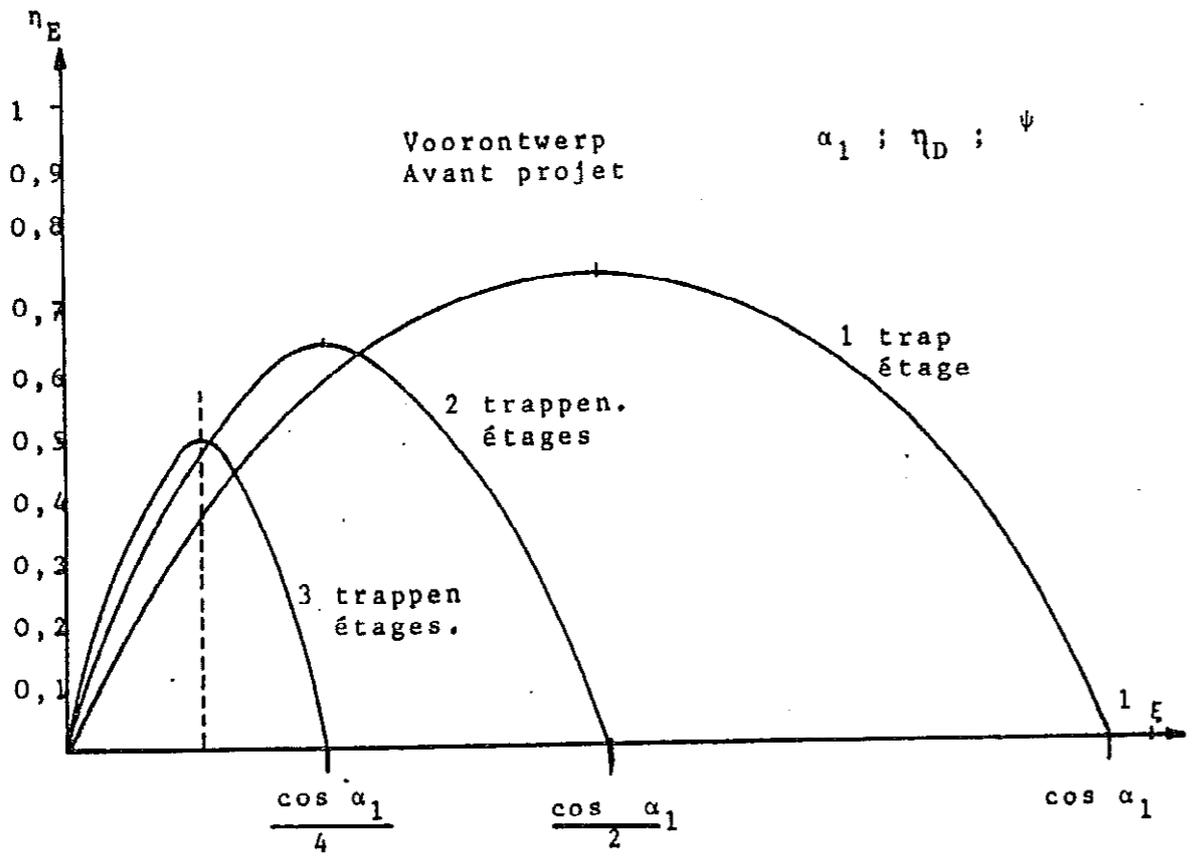


fig 12

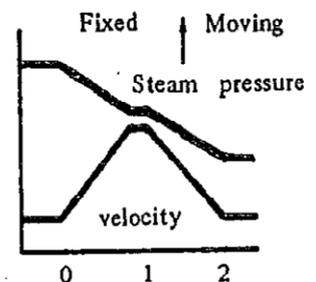
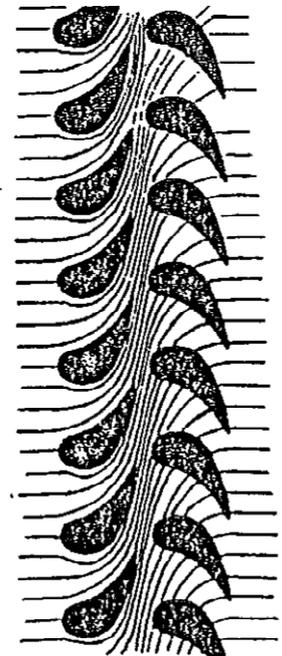
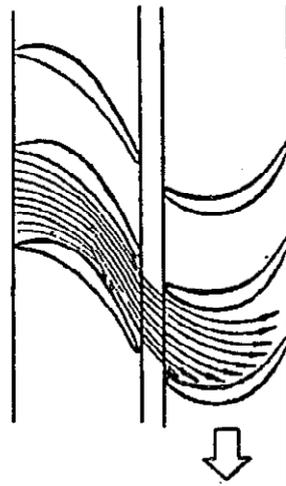


Fig. 13 Etage à action - Actietrap -
reaction

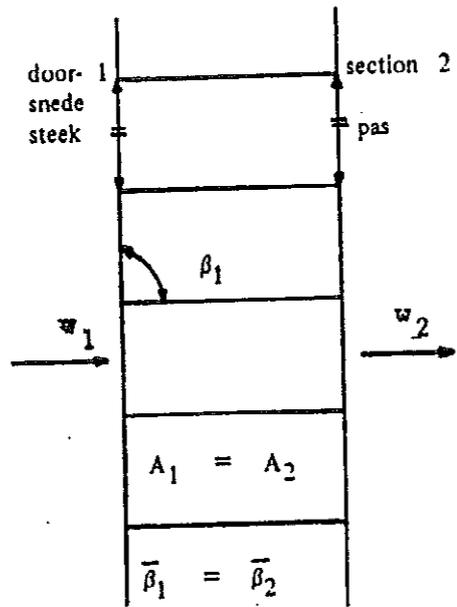


Fig. 16: a

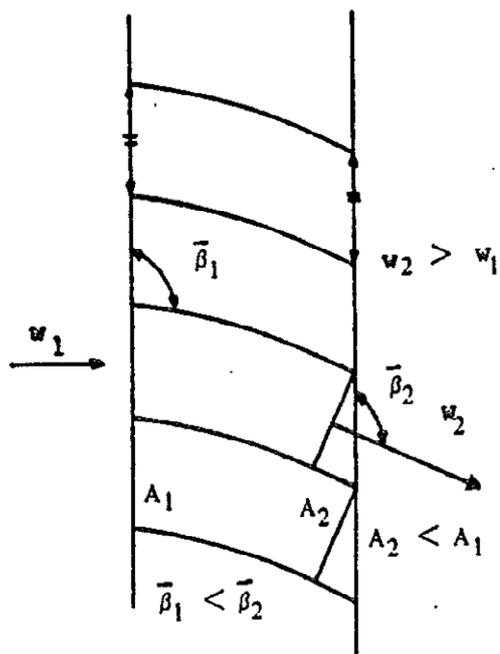


Fig. 16 b

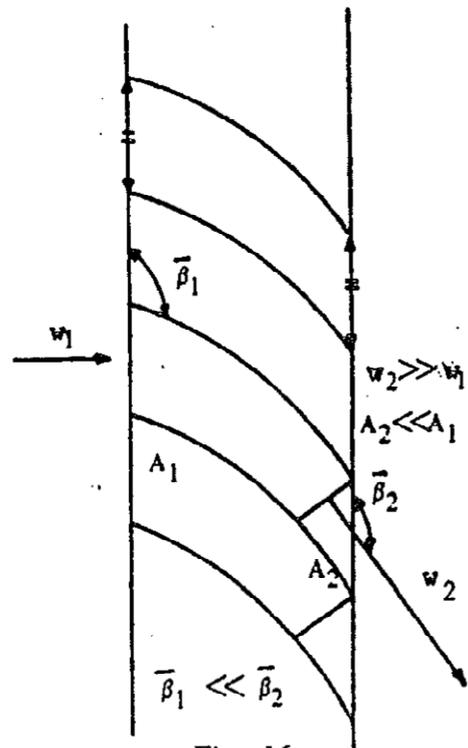


Fig. 16 c

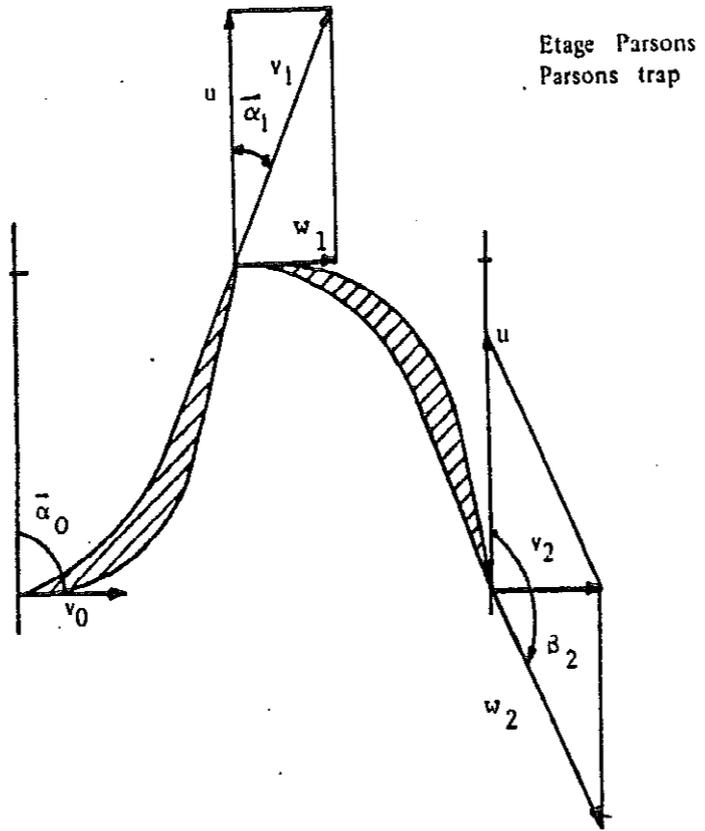


Fig. 17

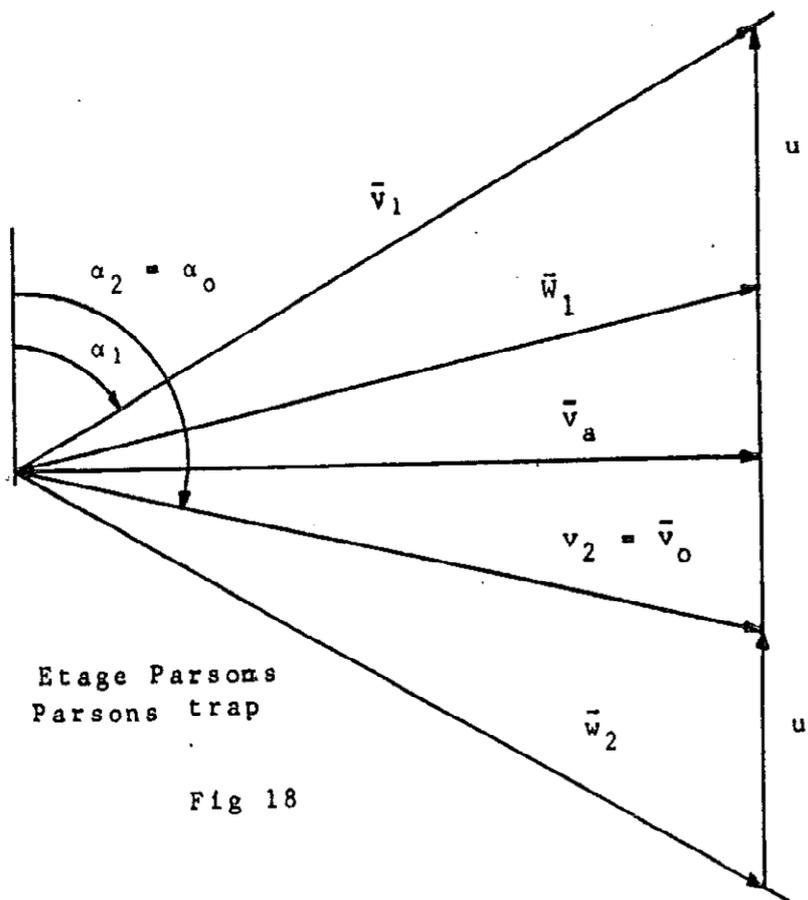


Fig 18

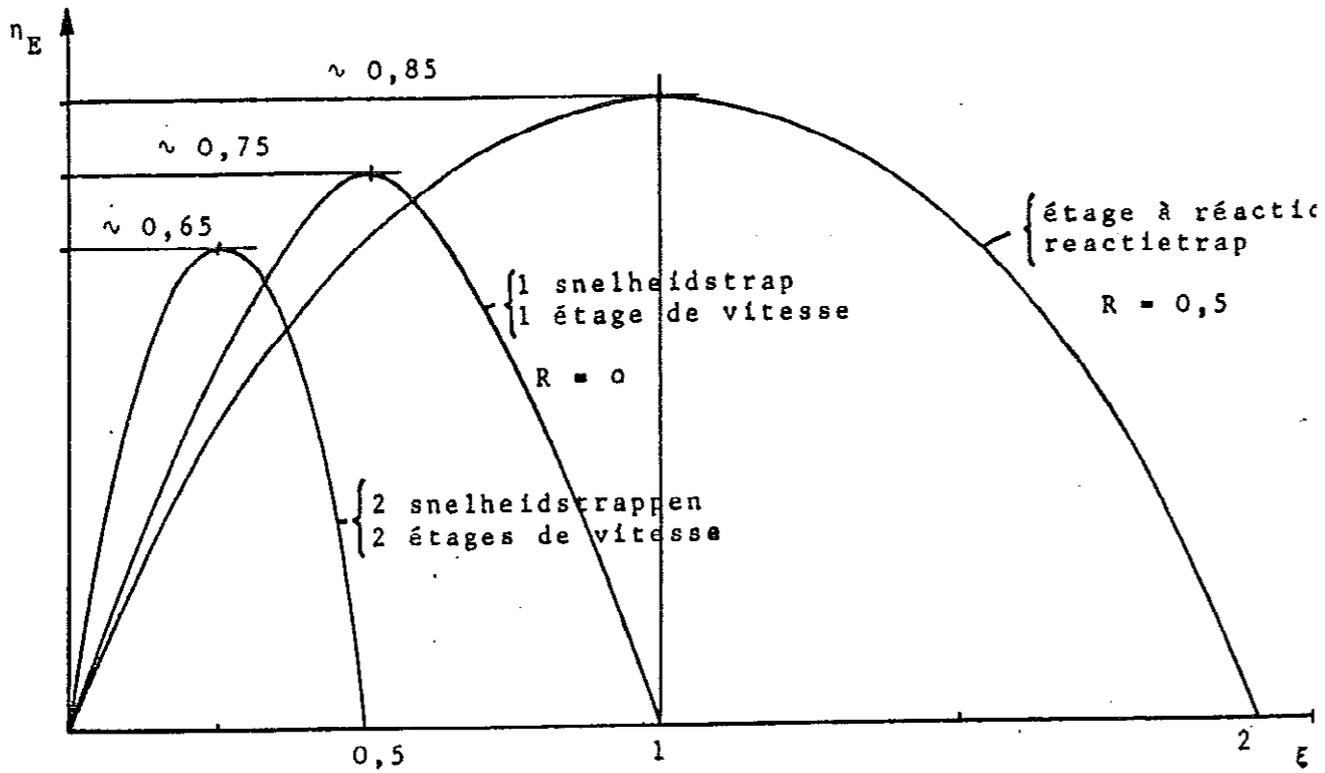
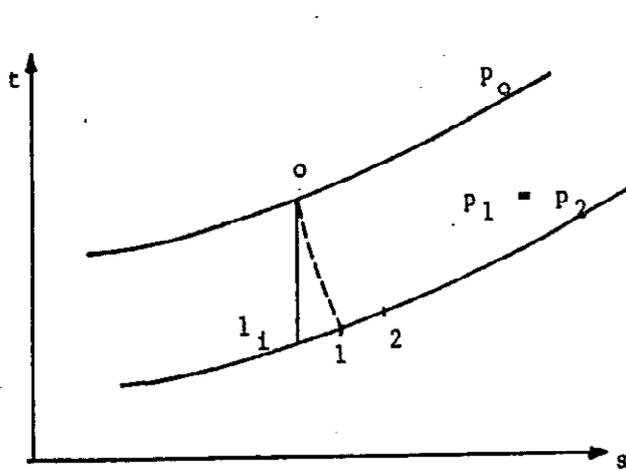
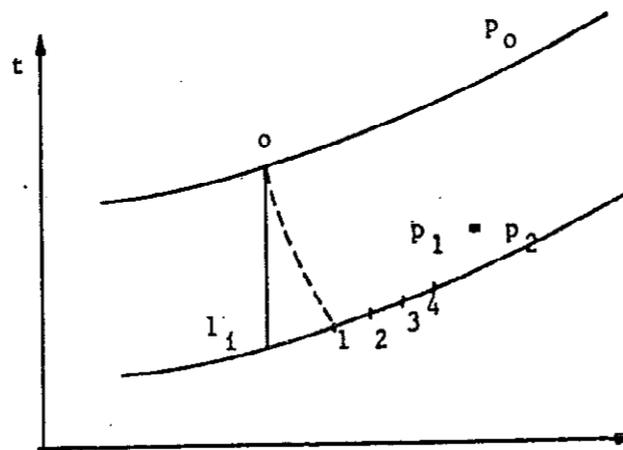


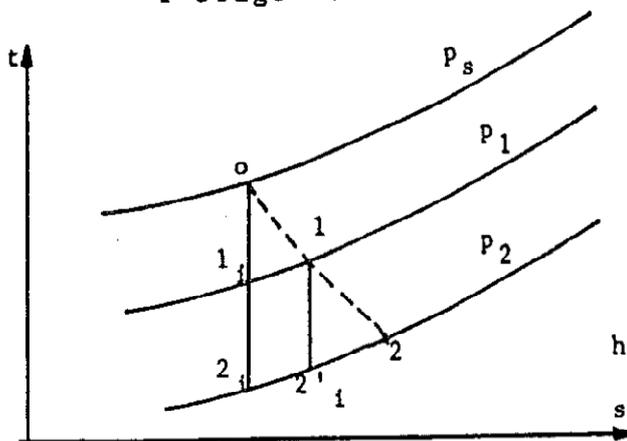
Fig 19



1 snelheidstrap
1 étage de vitesse



2 snelheidstrappen
2 étages de vitesse



Parsons trap
Etage Parsons

$$h_o - h_{1f} \approx h_{1f} - h_{2f}$$

Fig. 20