

MINISTERUL EDUCATIEI SI INVATAMINTULUI  
INSTITUTUL POLITEHNIC "GHEORGHE VIHA" TIMISOARA  
FACULTATEA DE MECANICA

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STUDIUL TEORETIC SI EXPERIMENTAL AL RETELII RADIAL-  
AXIALE MONITORIE, CU APLICABILITATE LA DIMENSIONAREA  
ROTORILOR DE TURBINA RADIAL-AXIALE

- TEZA DE DOCTORAT -  
ANEXA

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- Timisoara 1989 -

## CONCLUZII GENERALE

(Rezumat)

Sînt prezentate sub formă grafică rezultatele calculului dimensional pentru șase variante rotorice de turbină diagonală din seria celor nouă variante dimensionate în cadrul tezei prin metoda transformărilor conforme și programul de calcul "DLTMS". Variantele rotorice la care se referă conținutul anexei sînt variantele 2, 4, 5, 6, 7, 8.

În anexele A1, ... A30 sînt reprezentate distribuțiile de viteză și ale coeficientului de presiune pe conturul profililor din familia de rețele radial axiale, familie rezultată din intersecția paletei rotorice cu suprafețele de curent evazate (secțiunile de calcul dimensionar). Pentru fiecare variantă, reprezentările s-au efectuat în cinci secțiuni de calcul.

În anexele A31, A32, A33 sînt reprezentate în proiecție ortogonală axei turbinei, conturul paletei și intersecția acestuia cu plane de nivel, pentru variantele rotorice 2, 4, 5, 6, 7, 8.

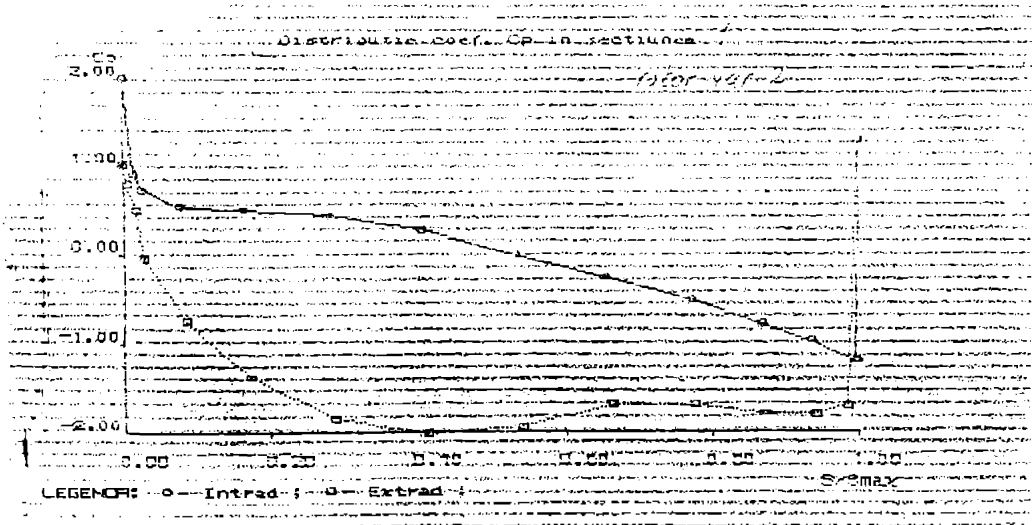
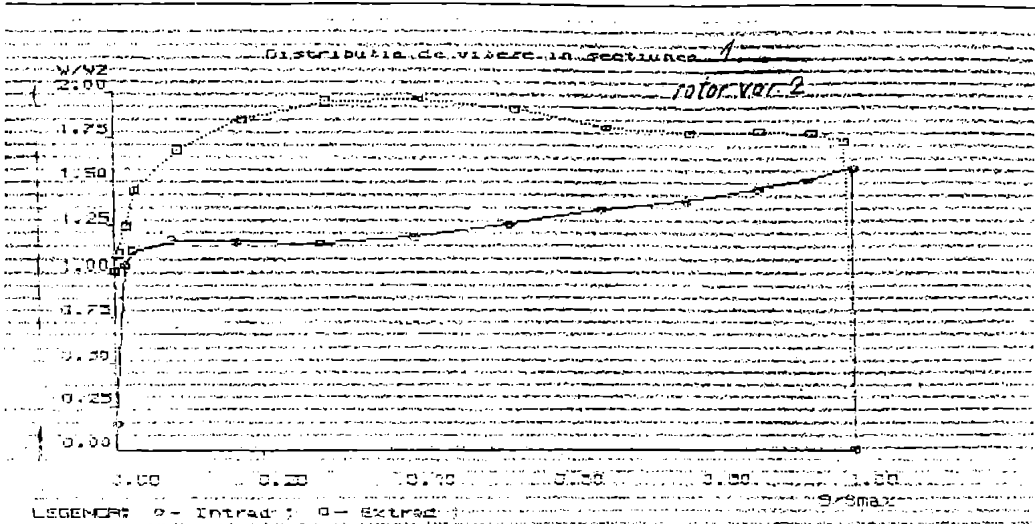
În anexele A34, ... A43 s-au reprezentat conturul profililor rezultate din intersecția suprafeței paletei cu plane ortogonale axei paletei (4 secțiuni), pentru variantele rotorice 2, 4, 6, 7, 8.

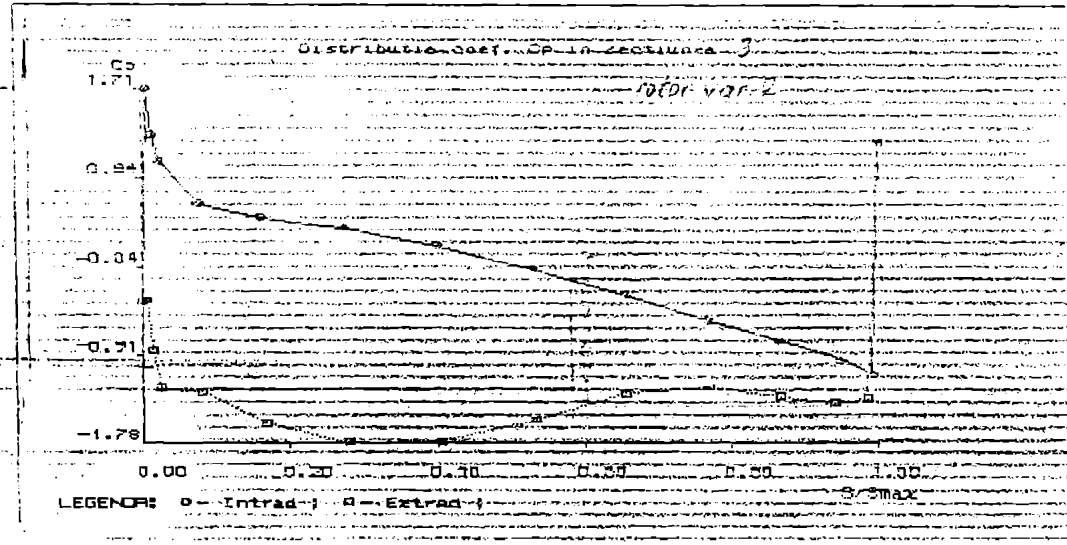
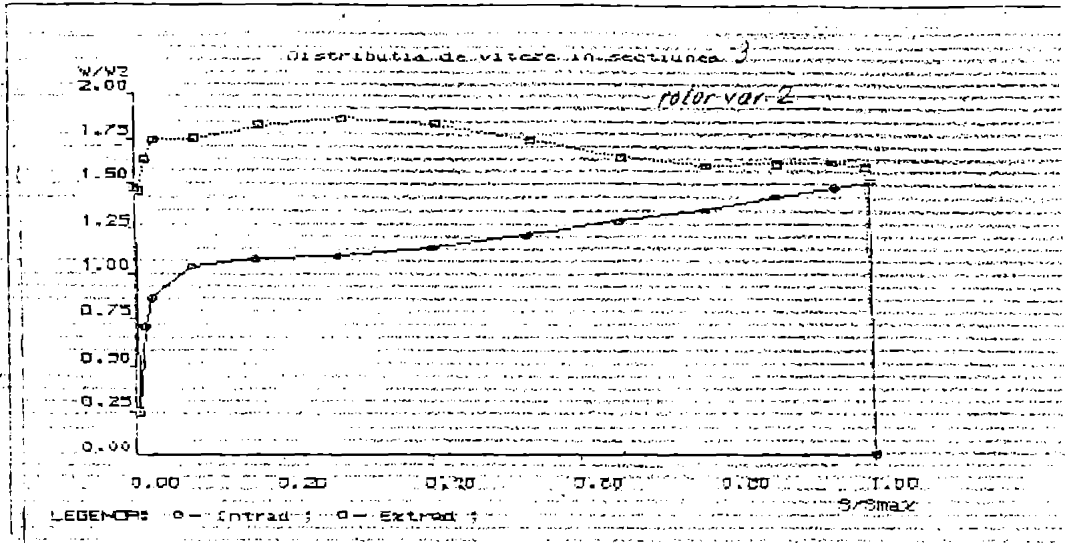
Acste secțiuni servesc la executarea și verificare geometrică a paletei. În final s-au prezentat un desen de execuție la scară pentru una din variantele rotorice dimensionate.

Toate reprezentările grafice au fost obținute cu ajutorul programelor de grafică "ORCAD", "SCHEM", "PROCAL" și "DLA" (vezi cap. 5 Teză), utilizînd un calculator "COLE" 4021, prin cupleroa ecranului (instalare imprimantă în regim "hard copy").

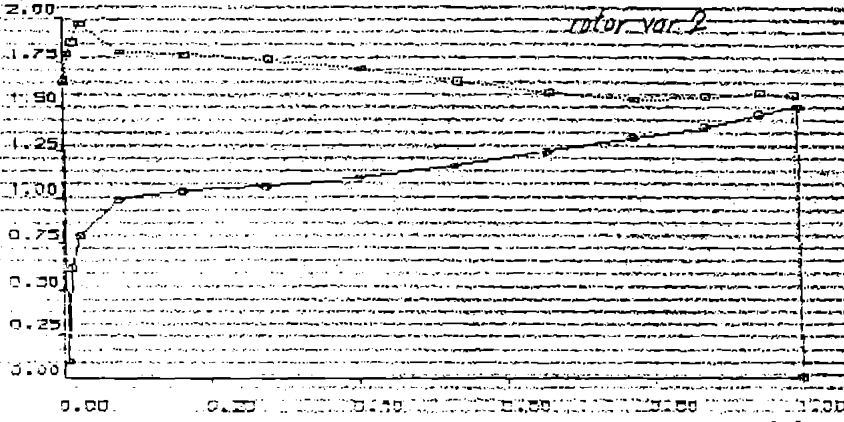
## C O N T I N U T

1. Distribuția de viteze și coeficientul de presiune pe conturul profilului din rețeaua radial-axială	
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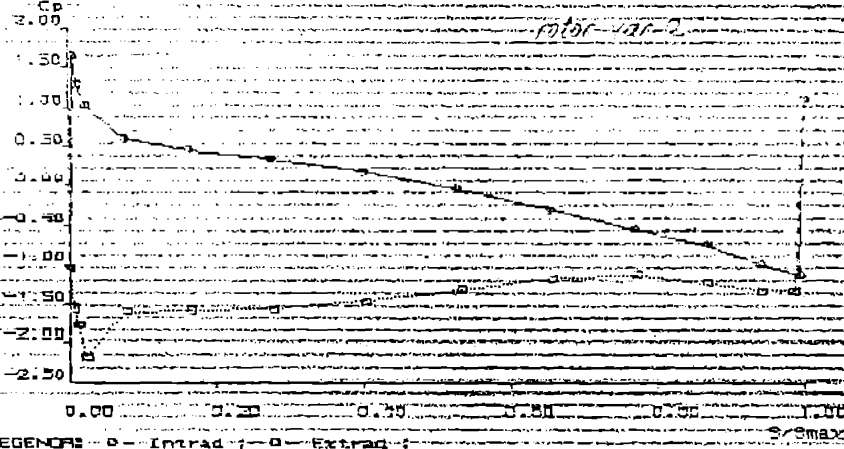


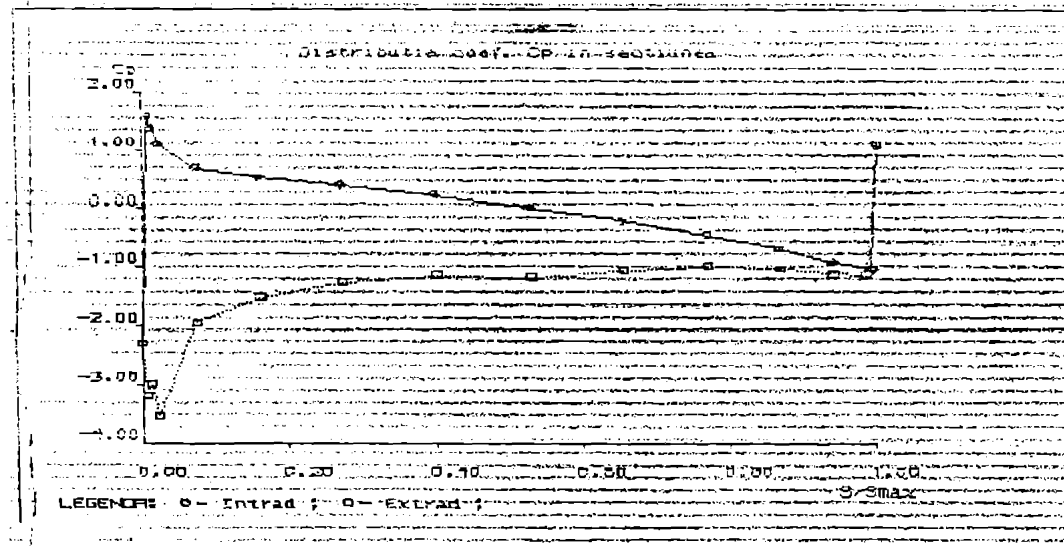
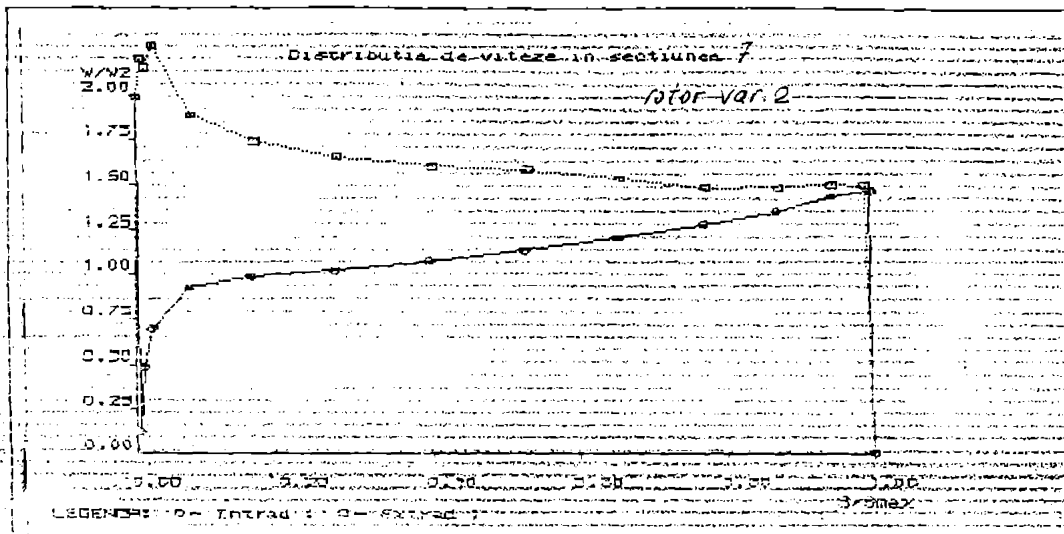


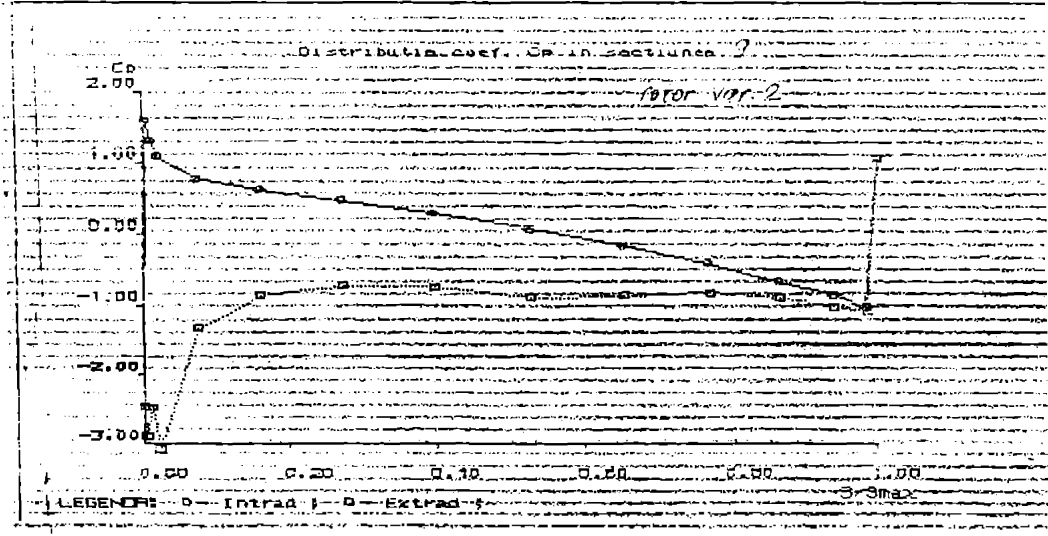
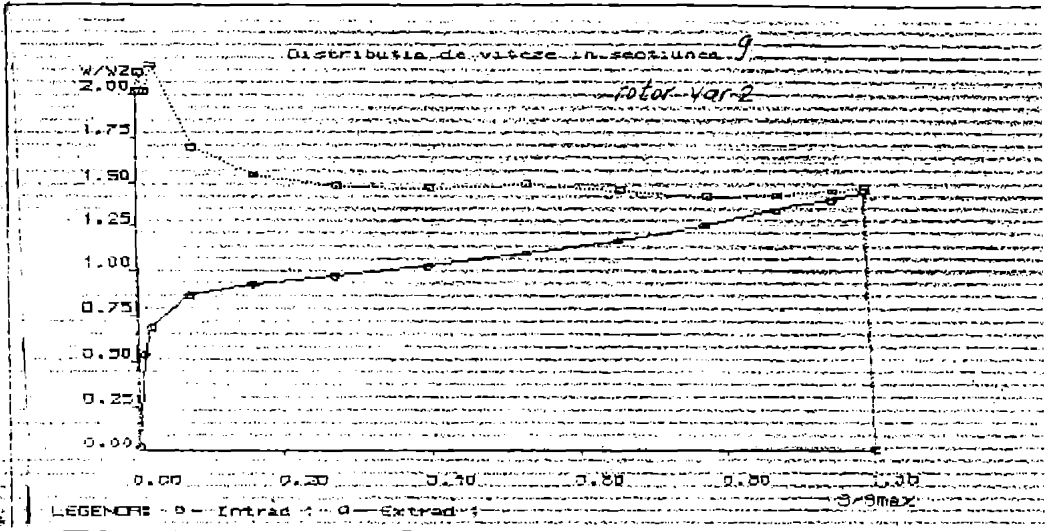
Distribucija de vitezov u sekciji 5



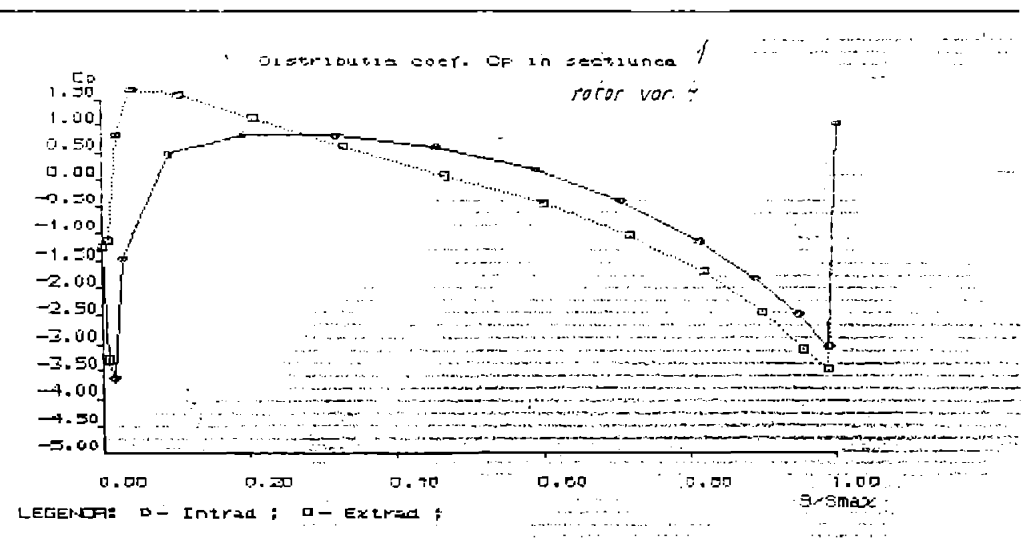
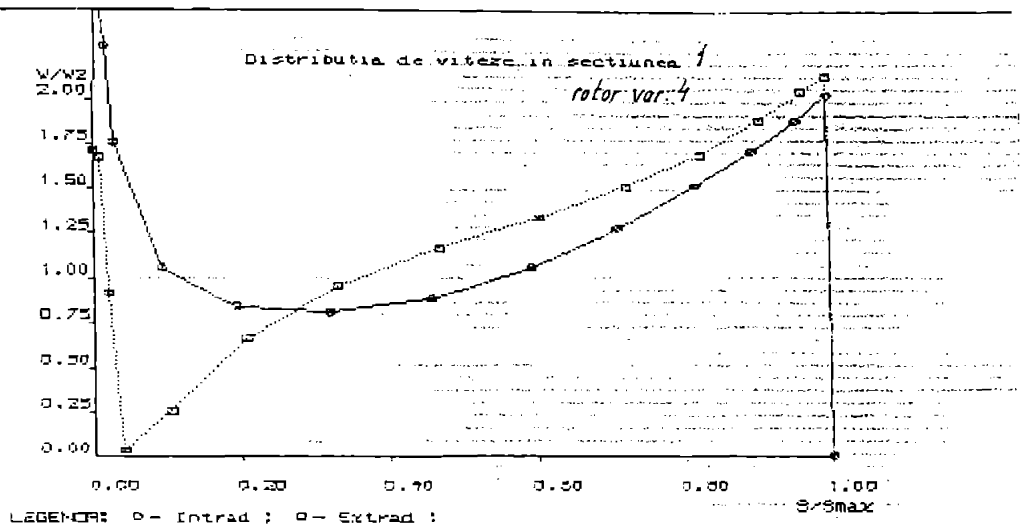
Distribucija coef. Cp u sekciji 5

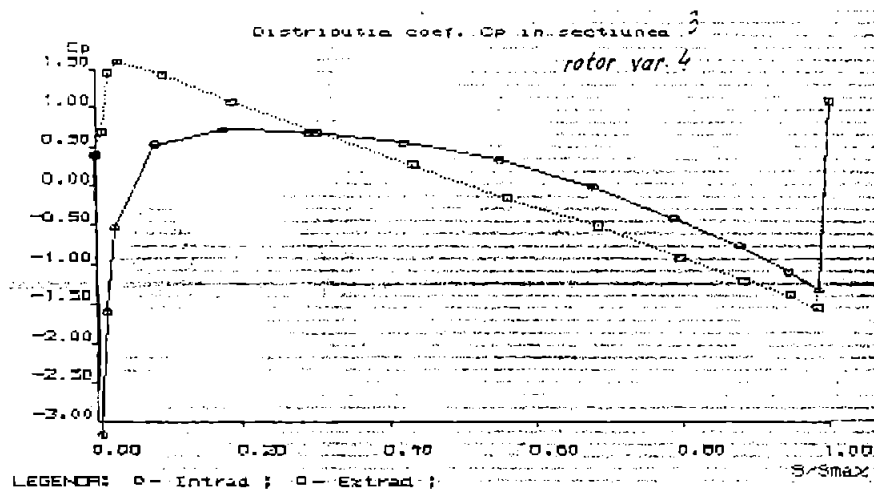
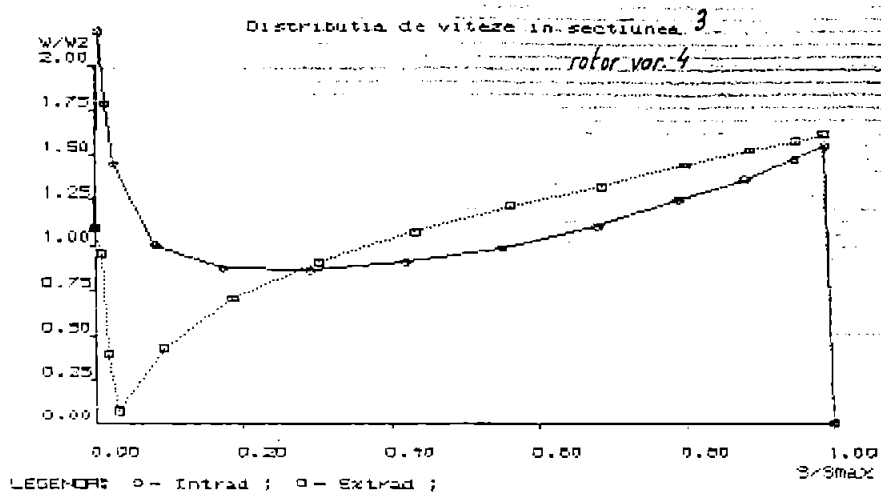


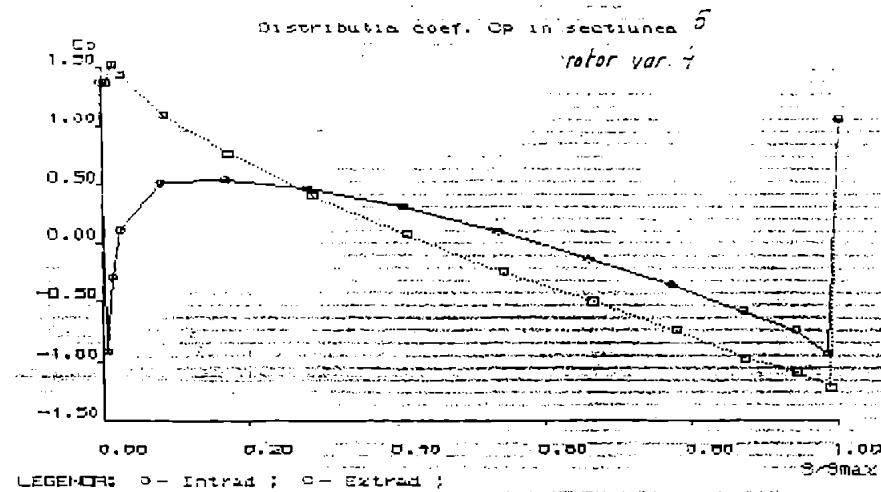
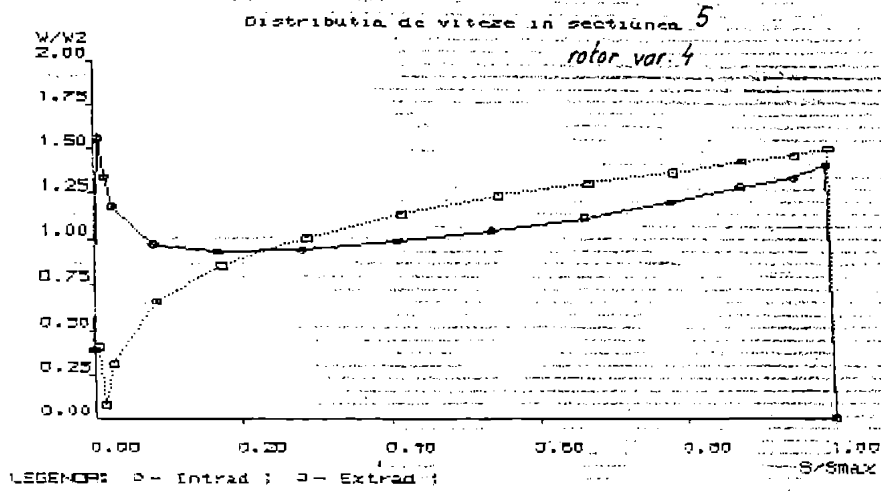


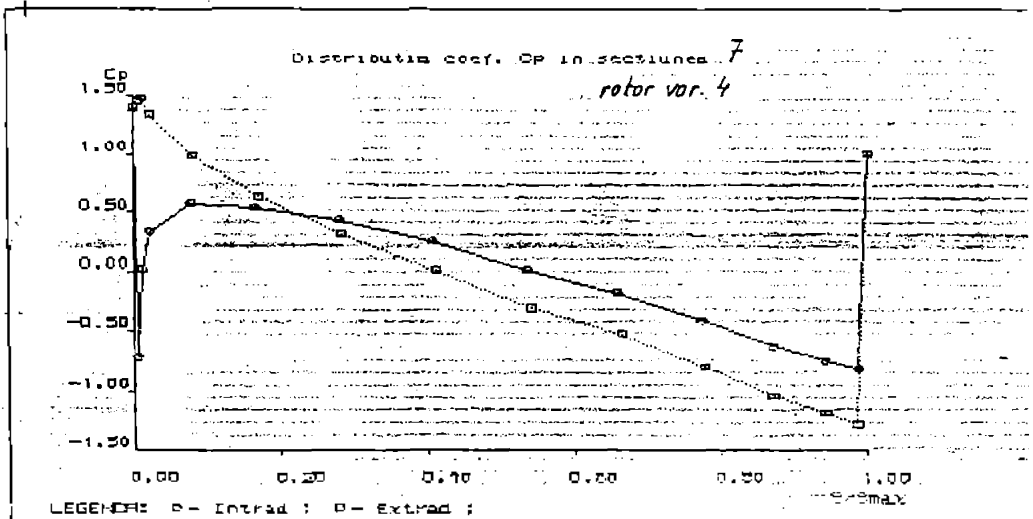
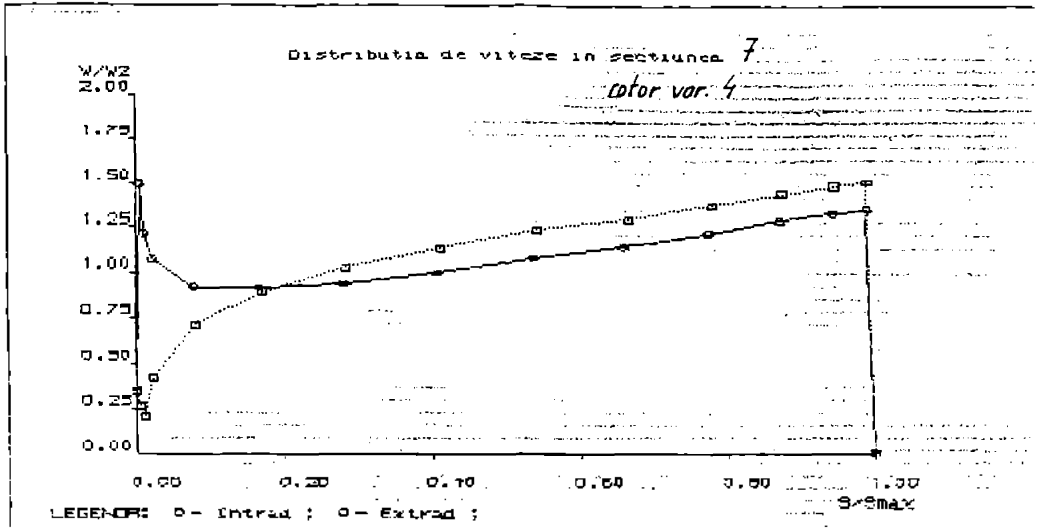


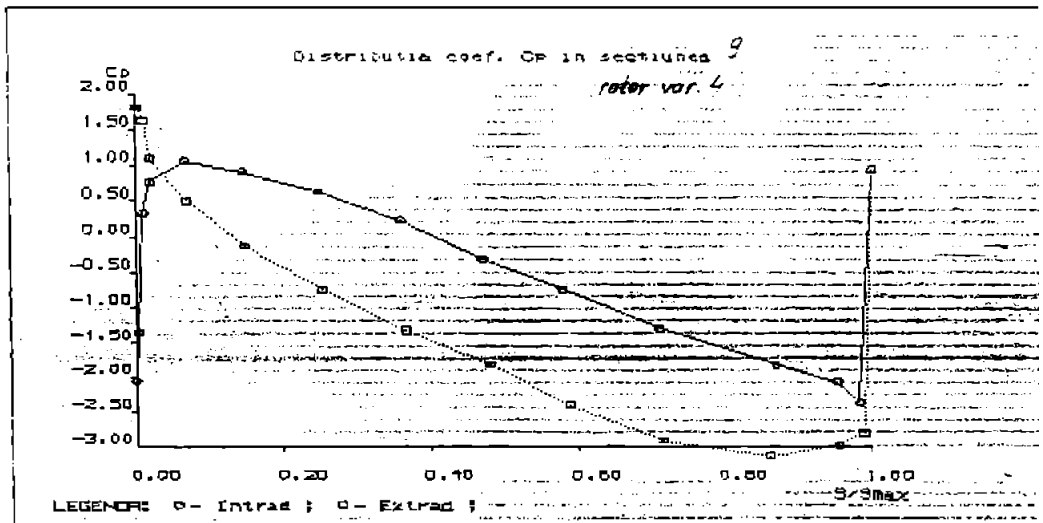
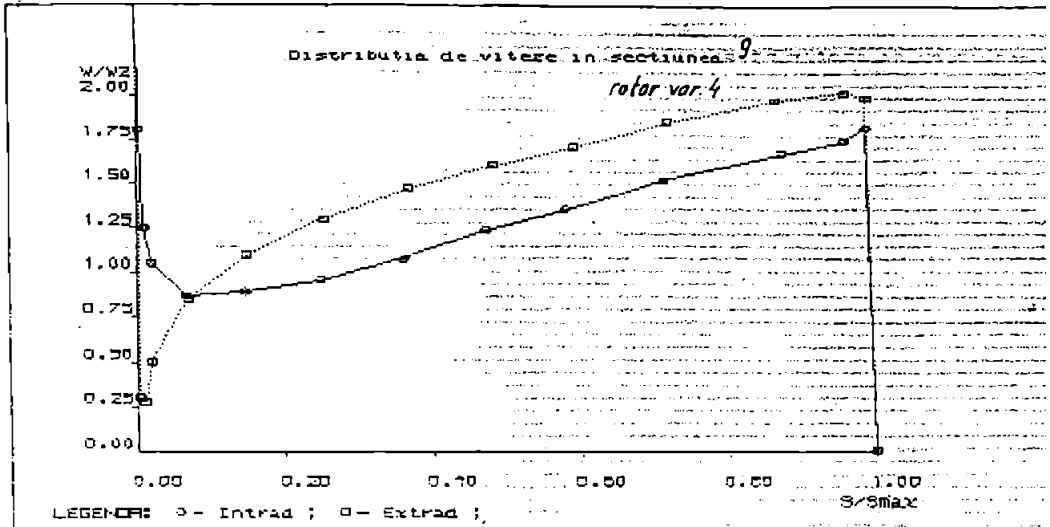


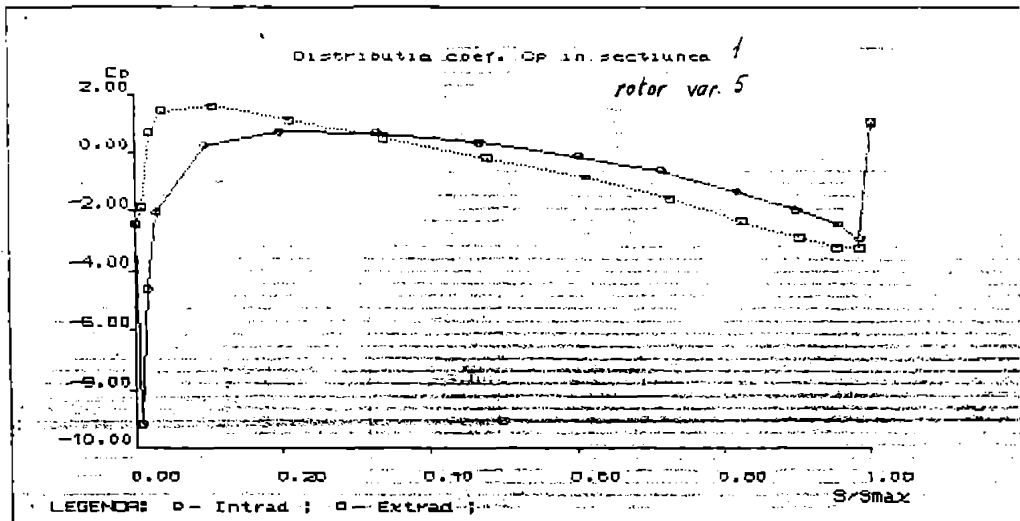
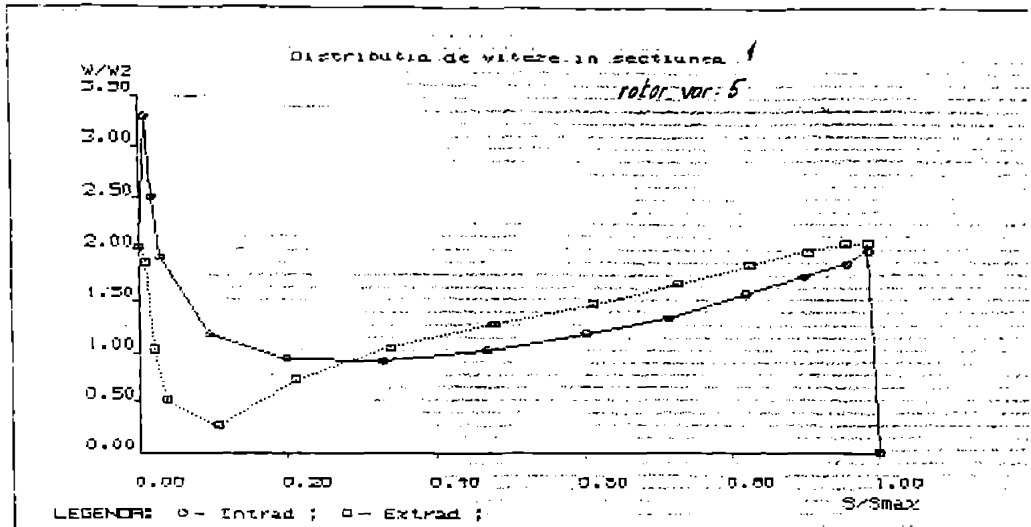


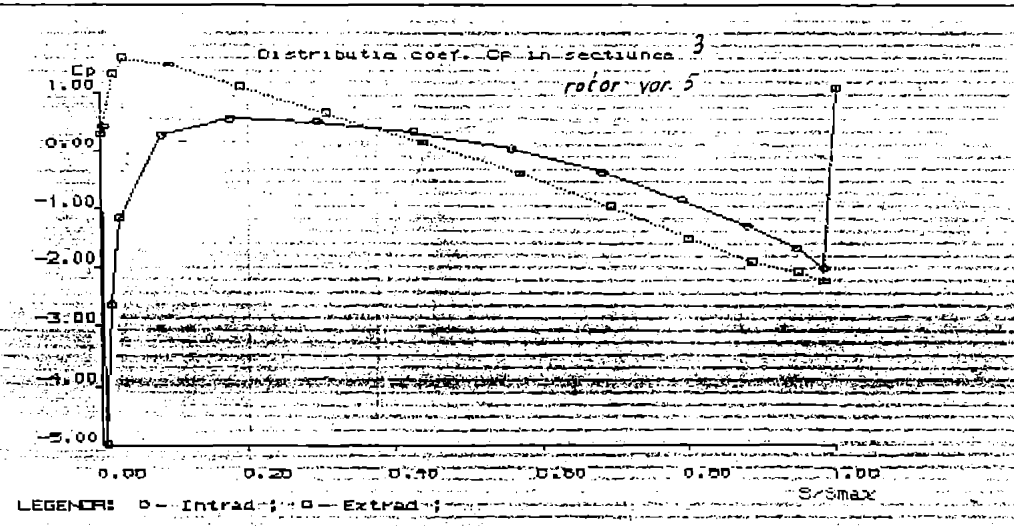
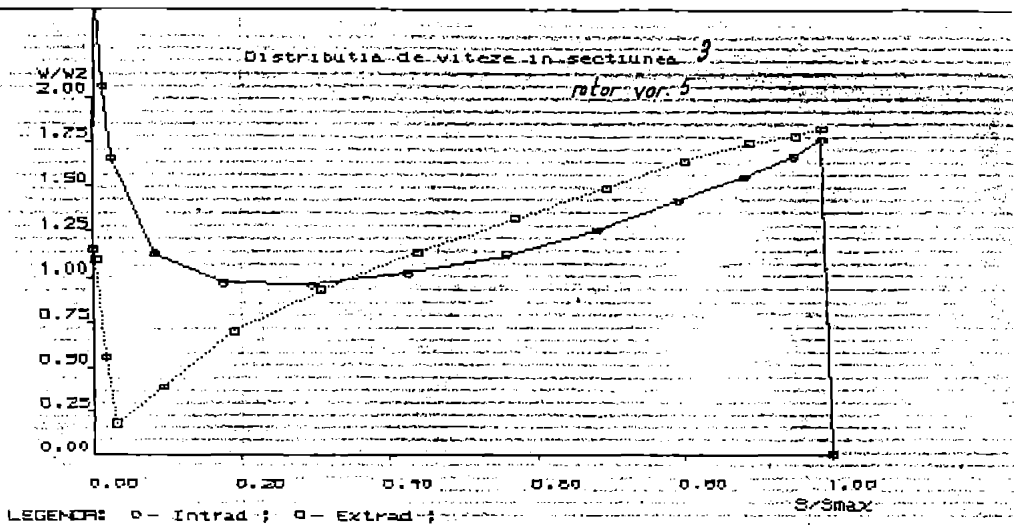


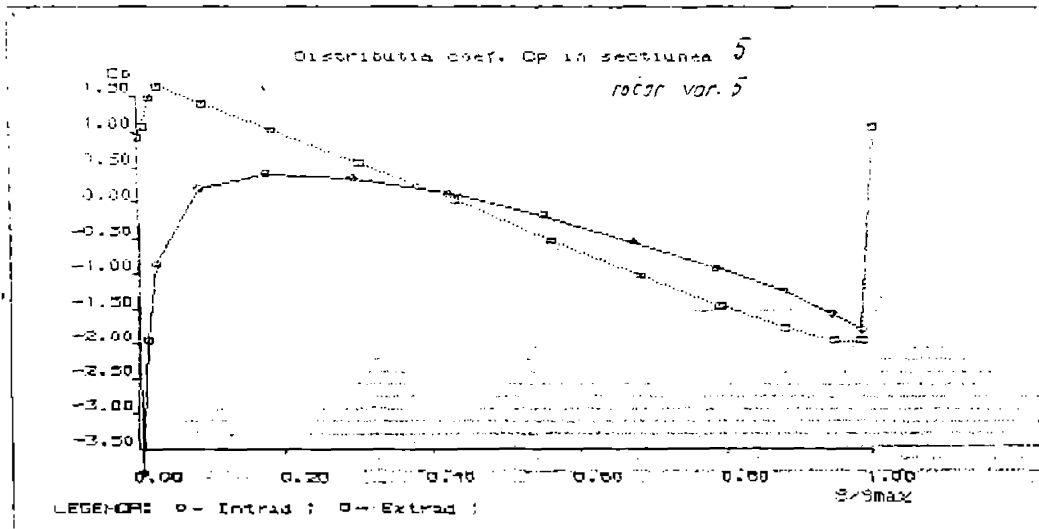
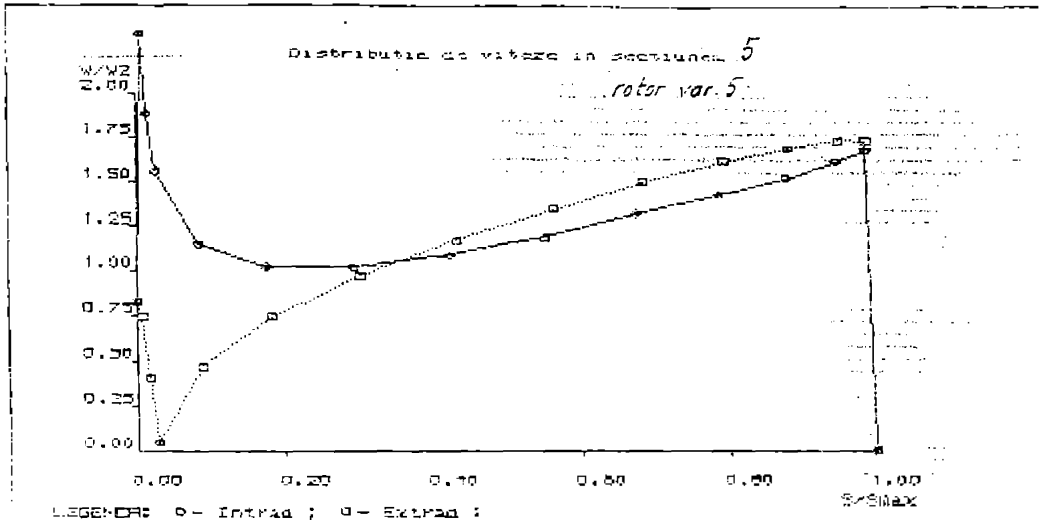




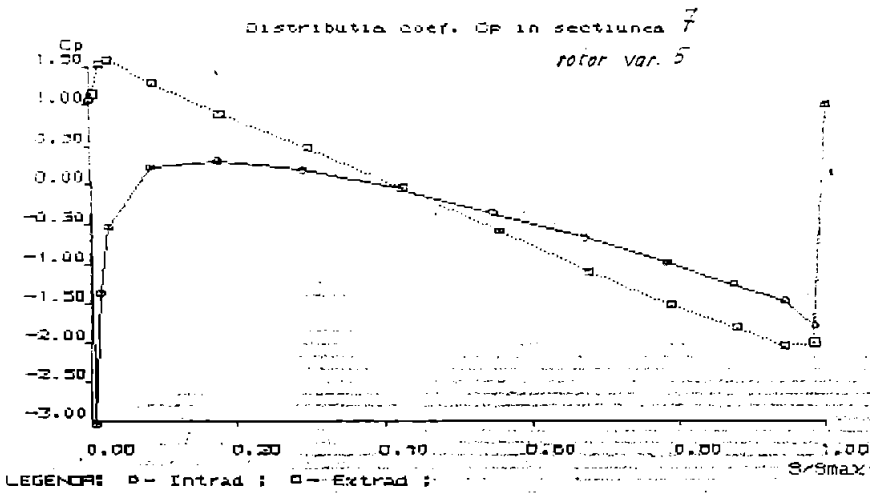
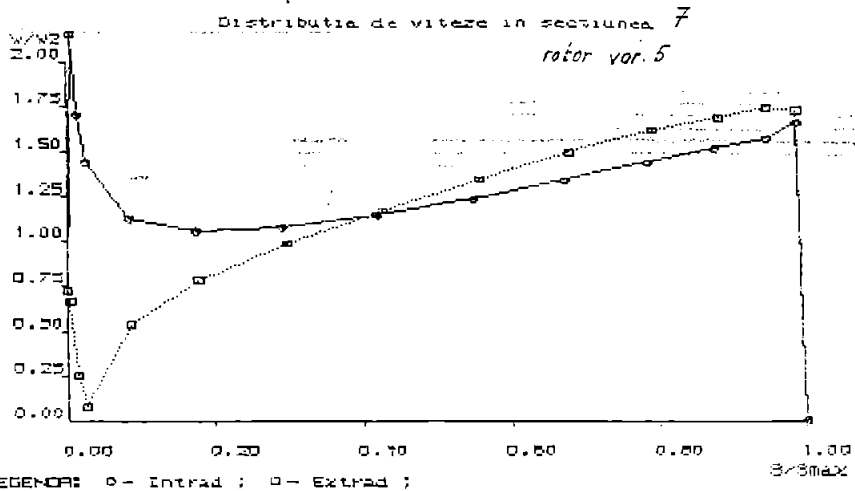


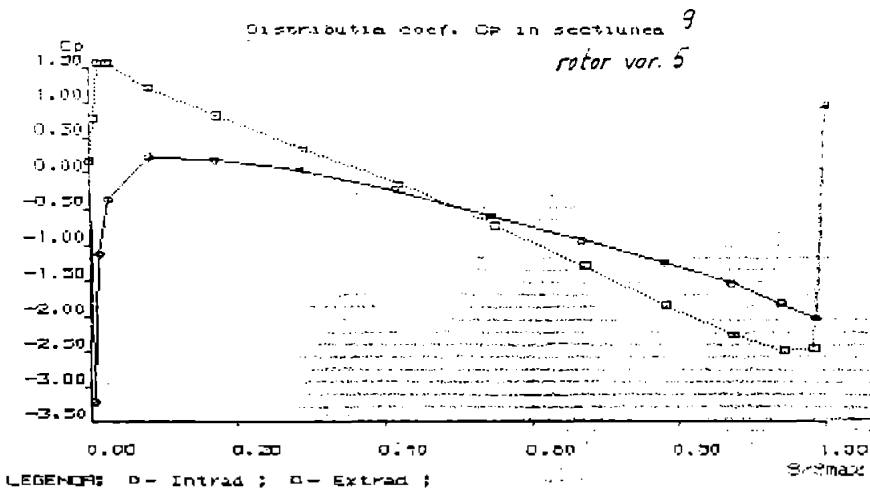
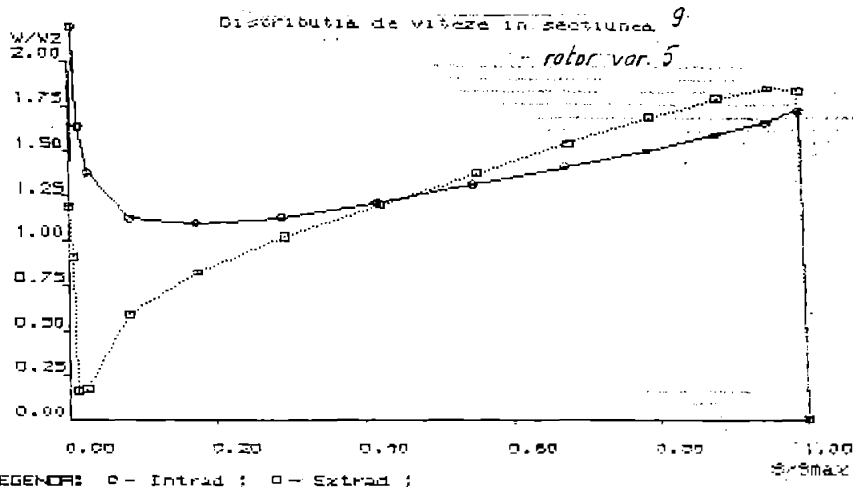


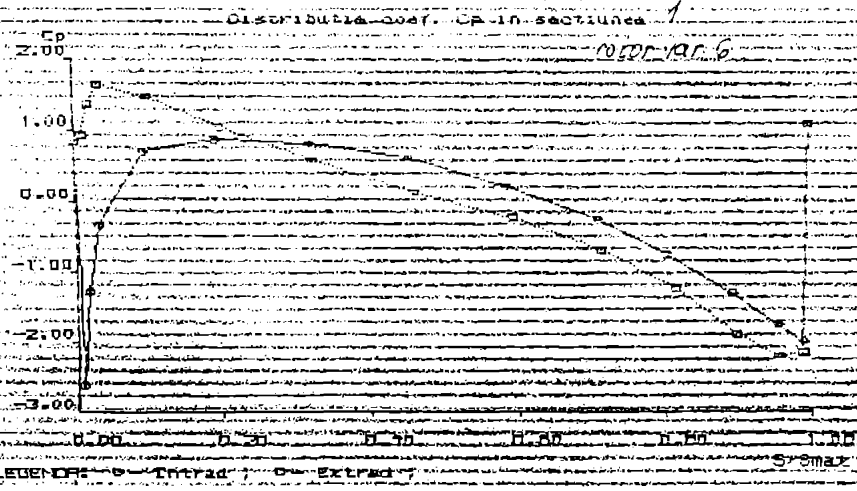
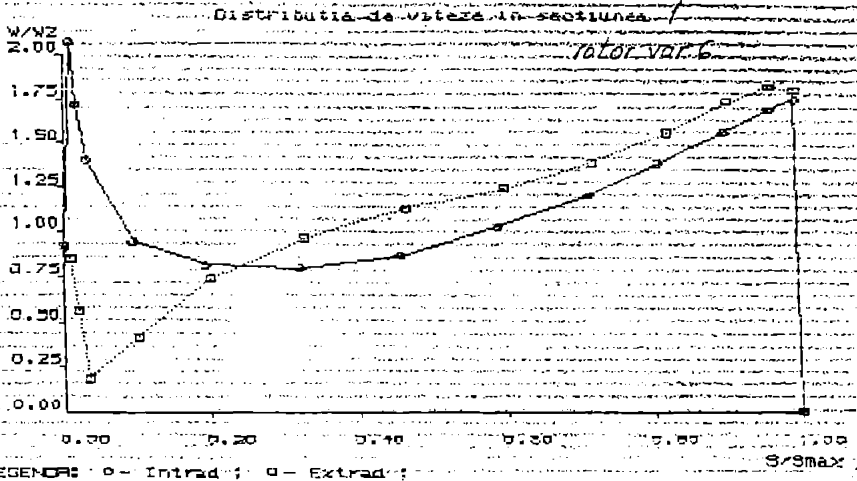






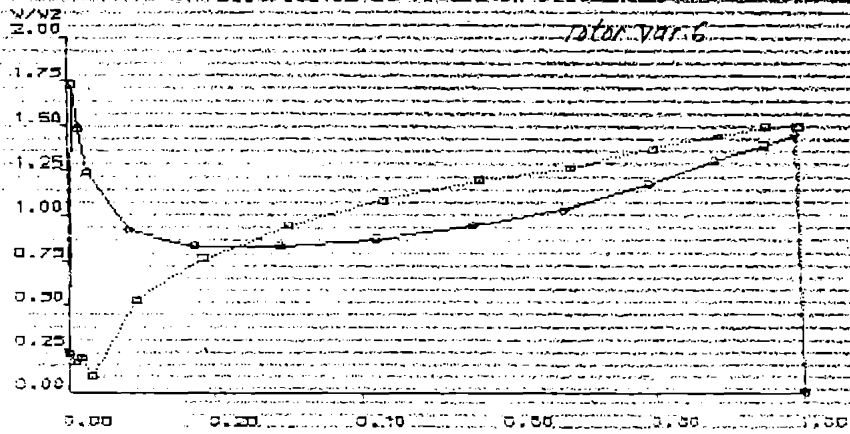






Distributia de viteza in sectiunea

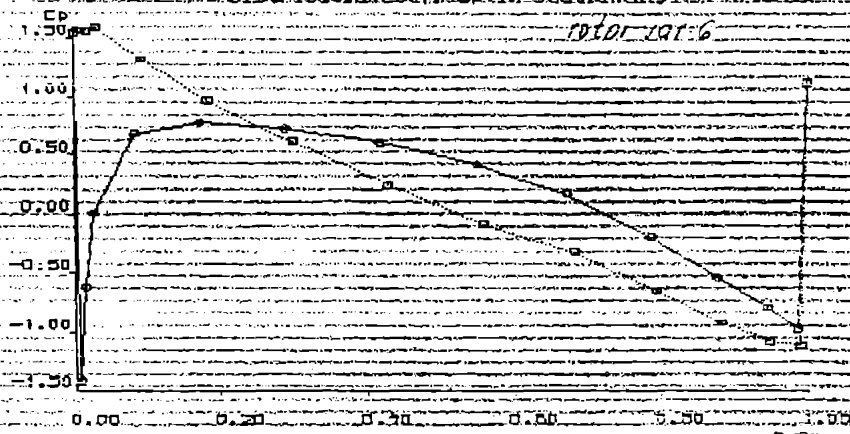
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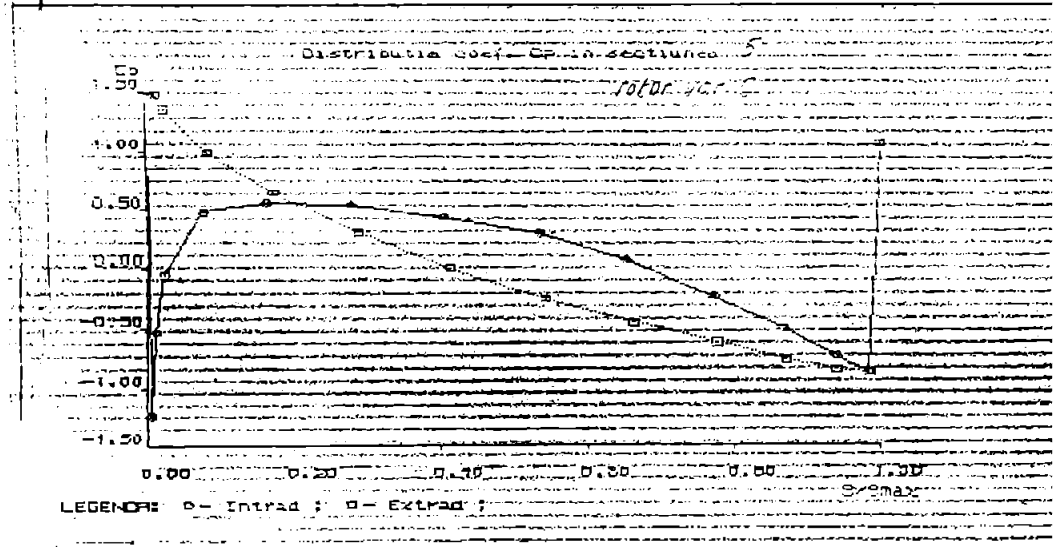
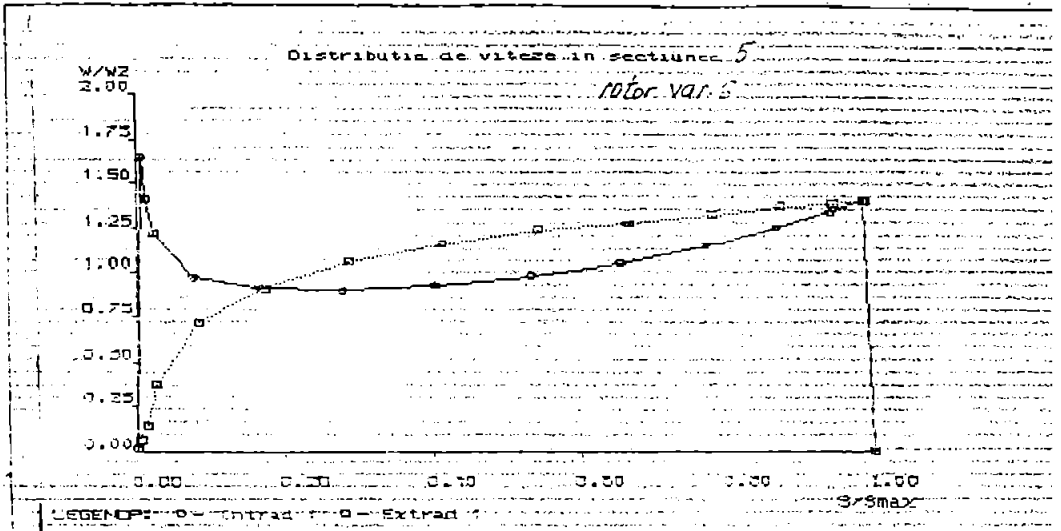
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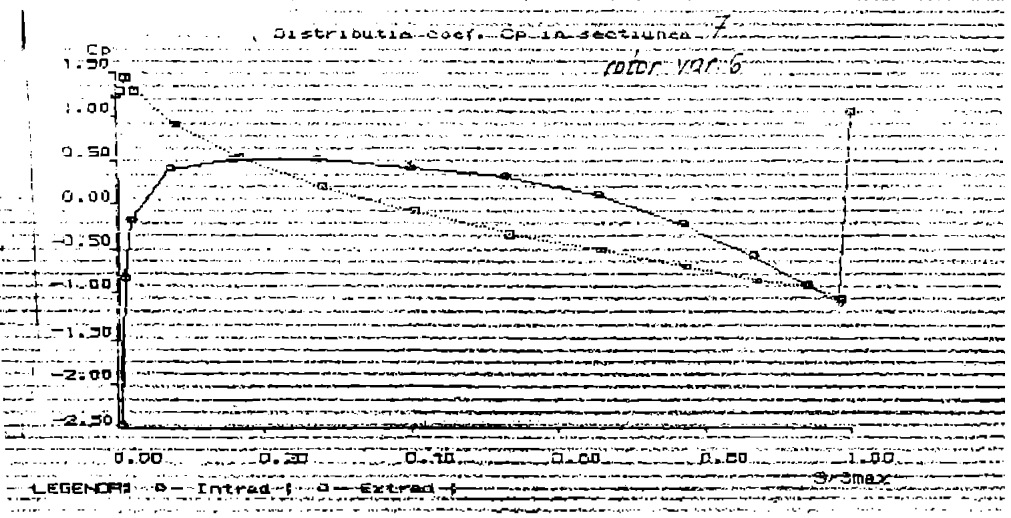
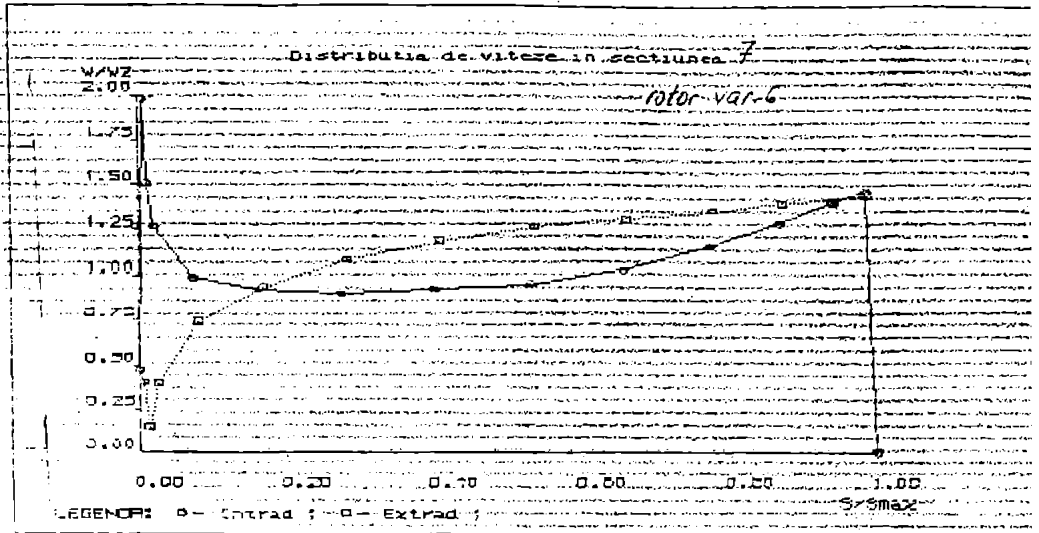
Distributia coef. CP in sectiunea

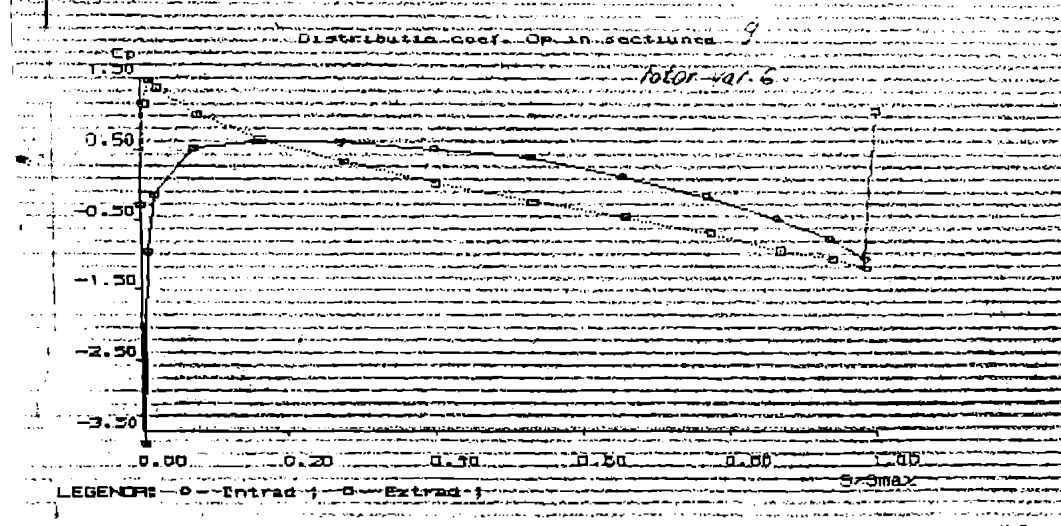
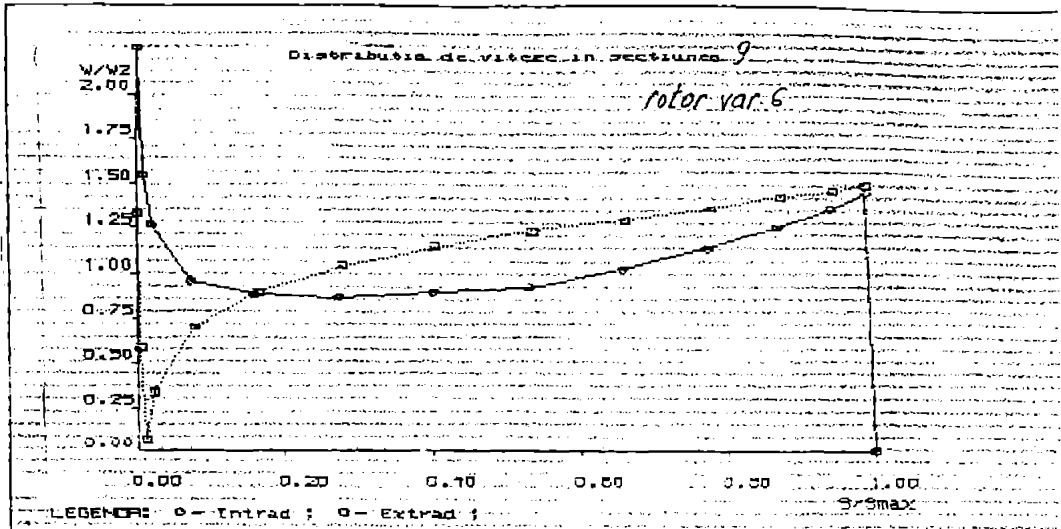
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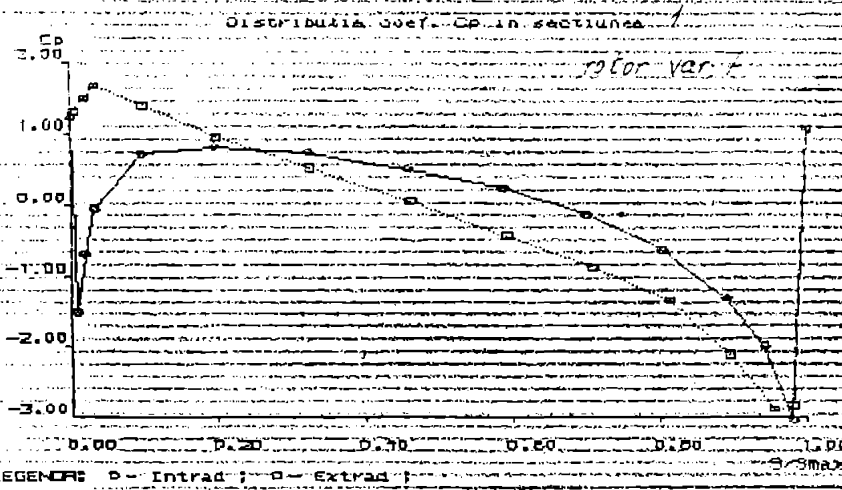
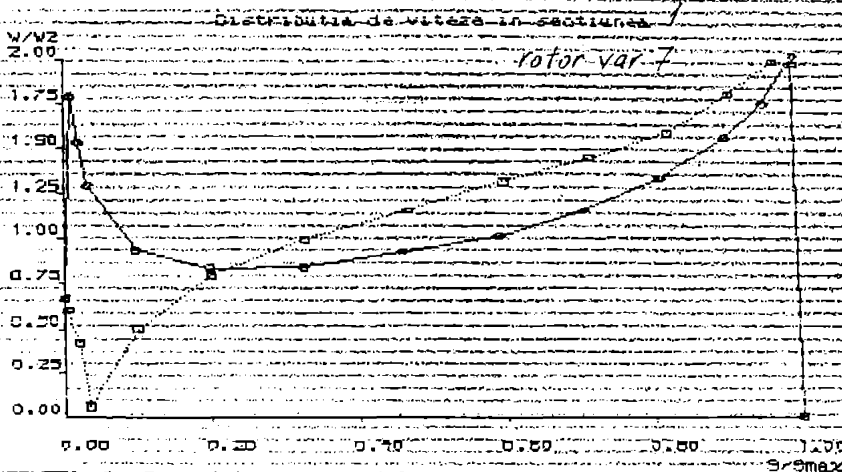


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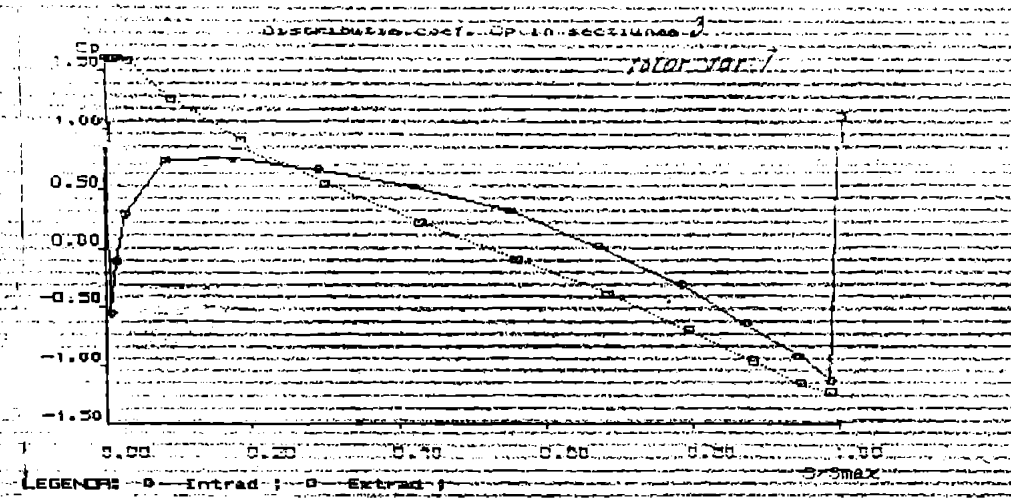
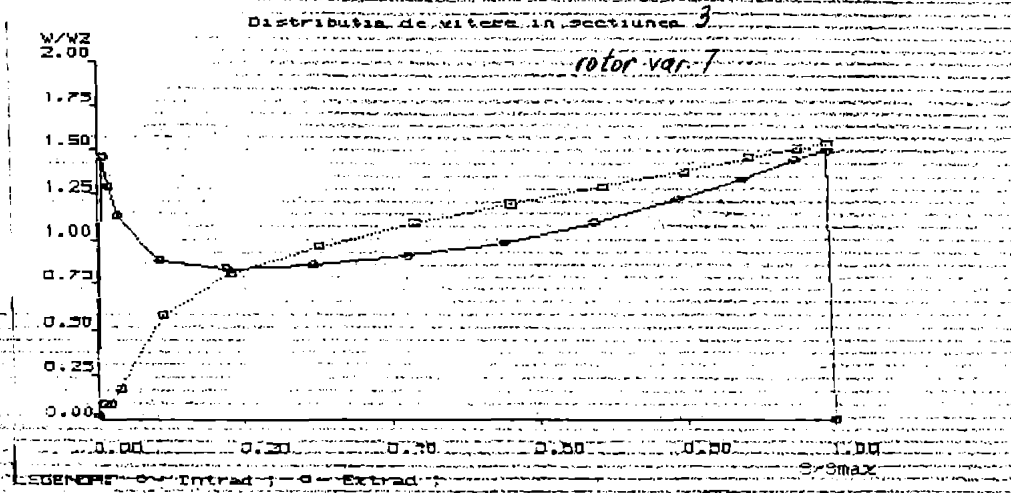


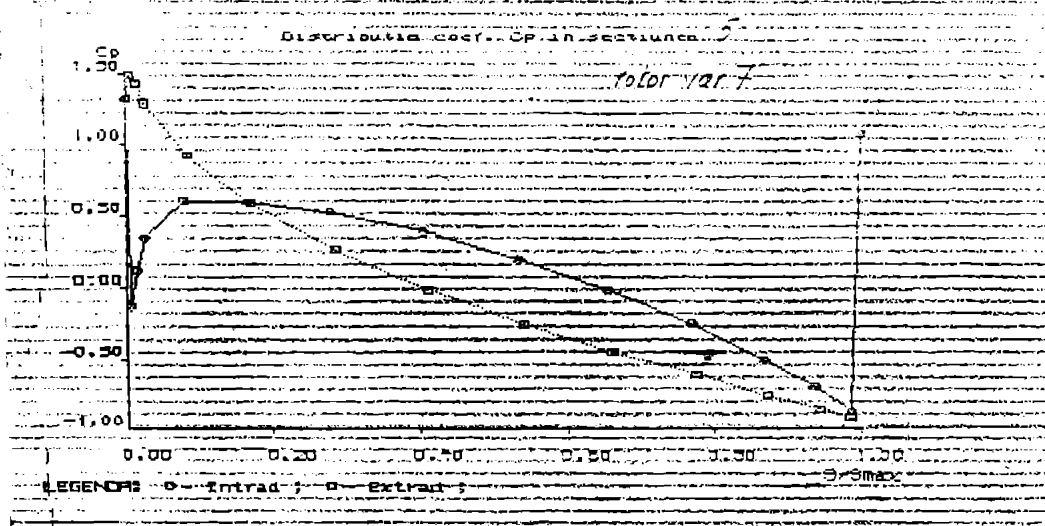
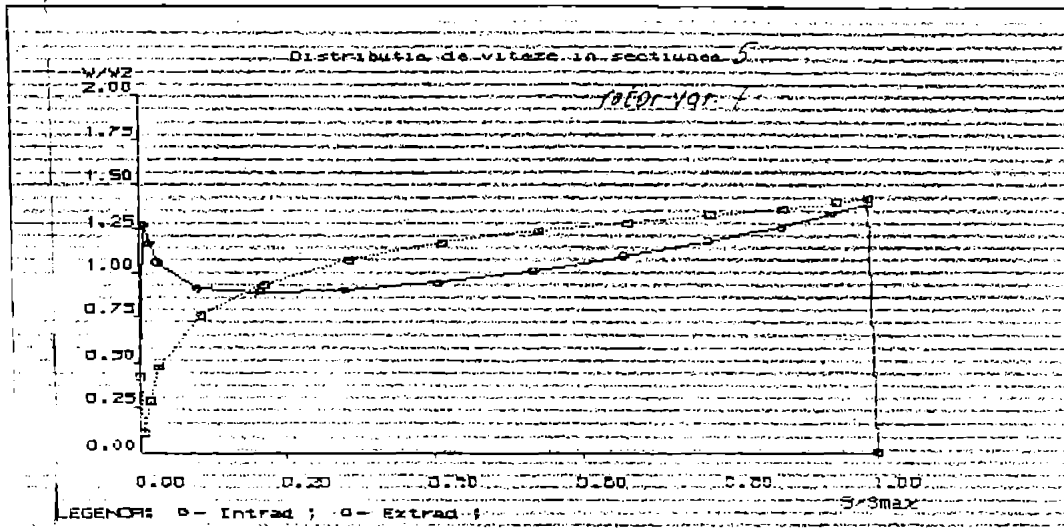


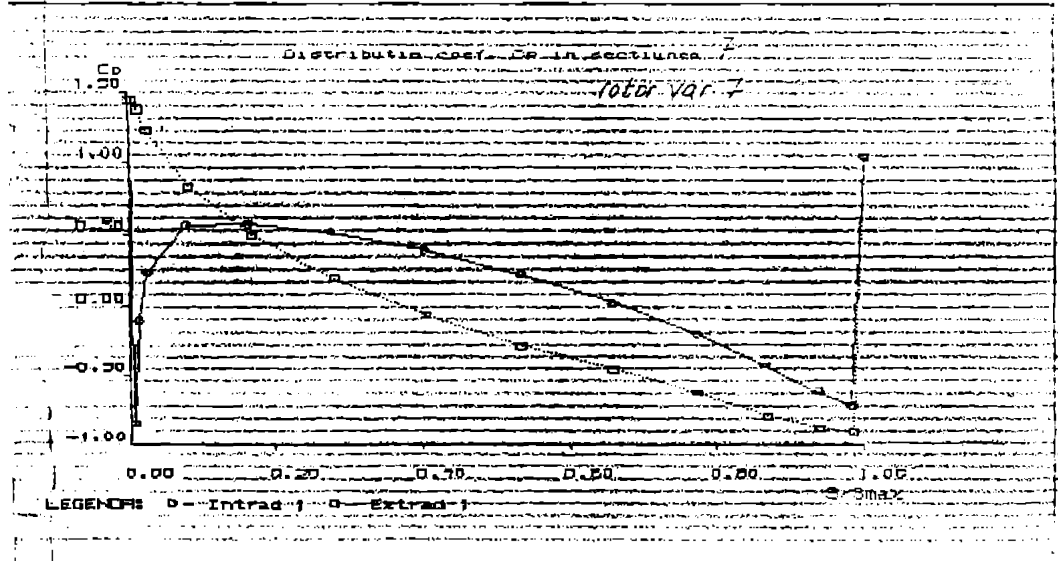
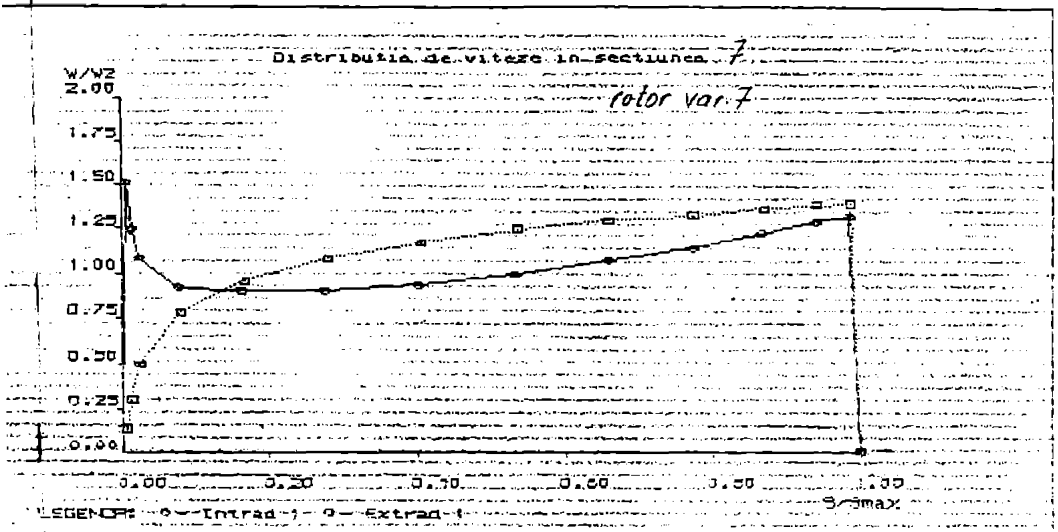


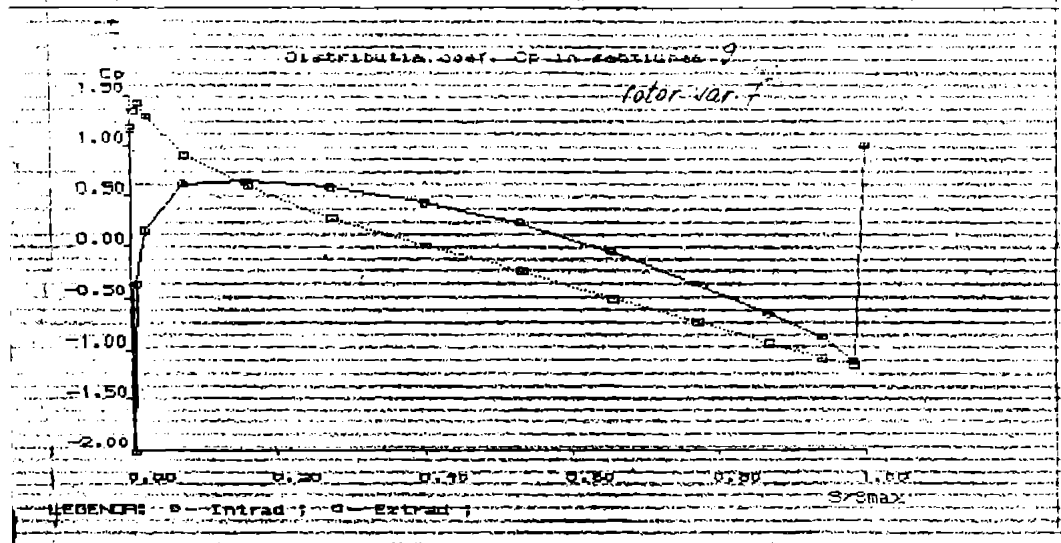
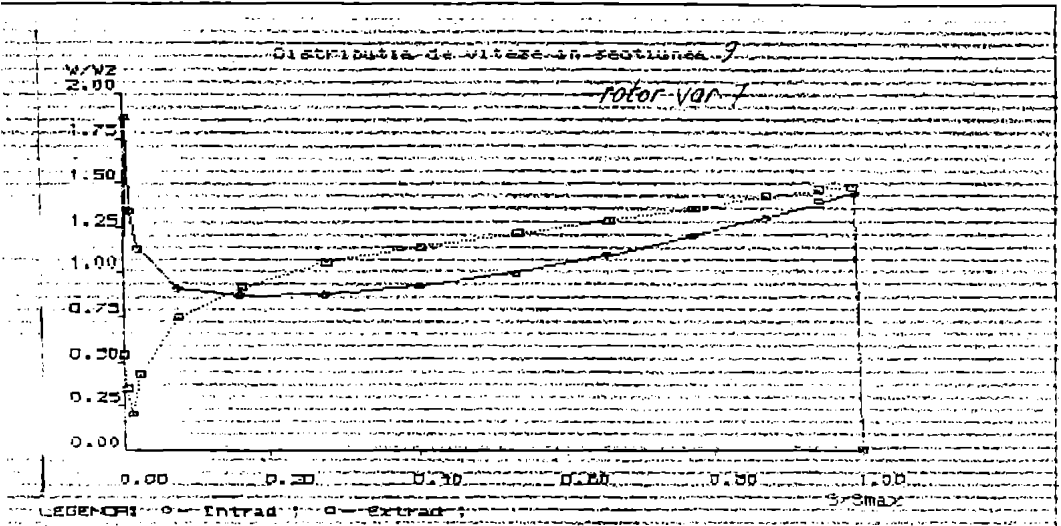


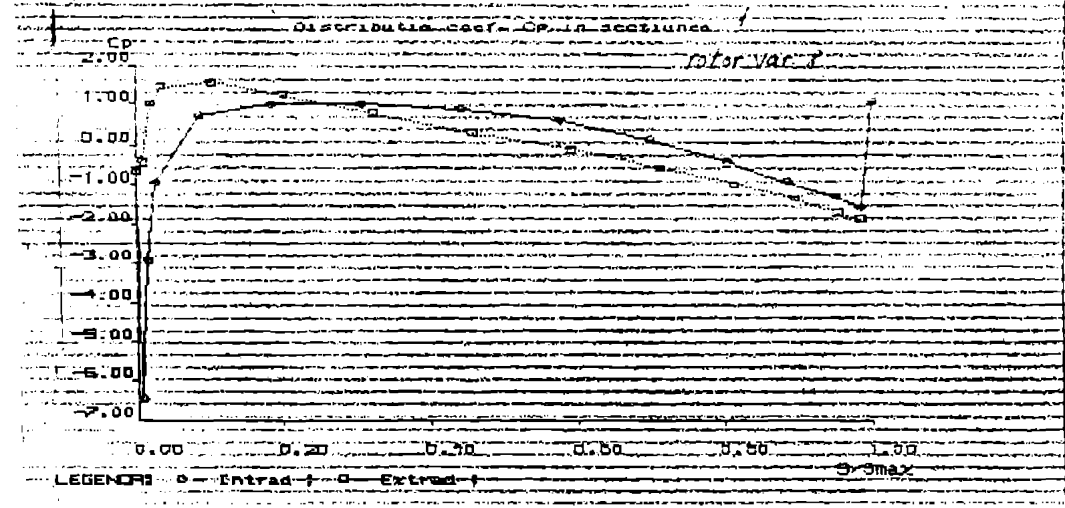
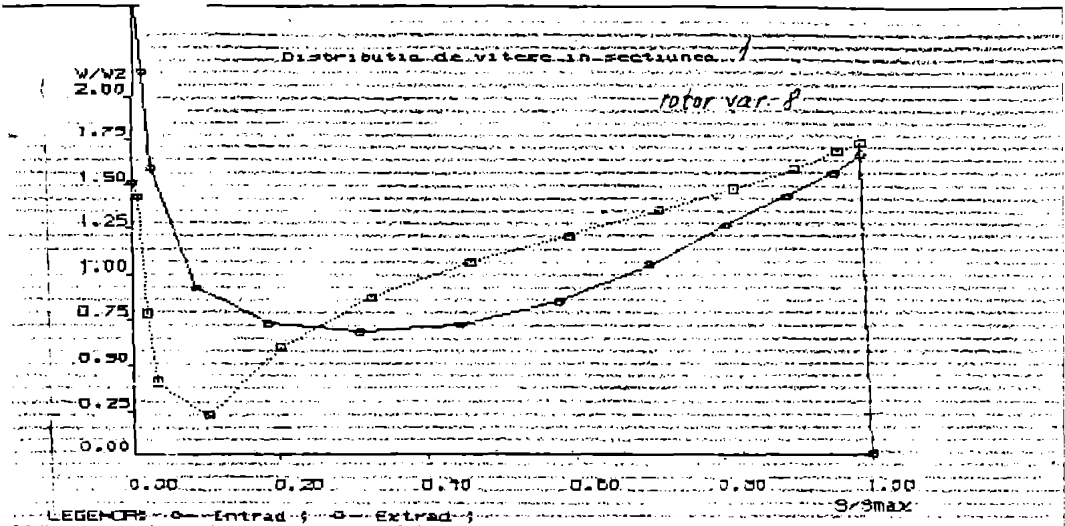


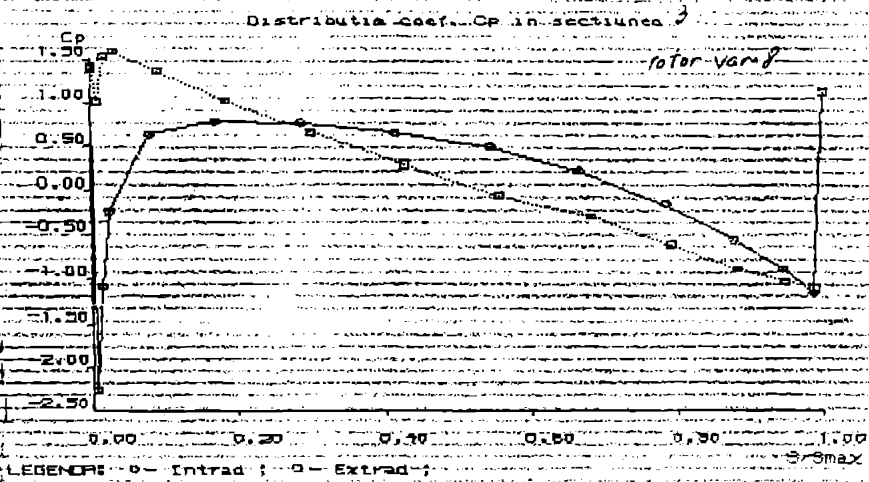
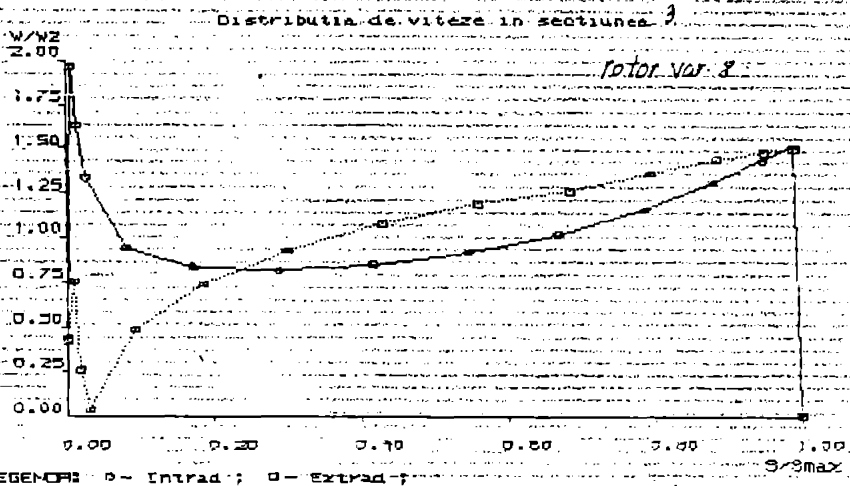


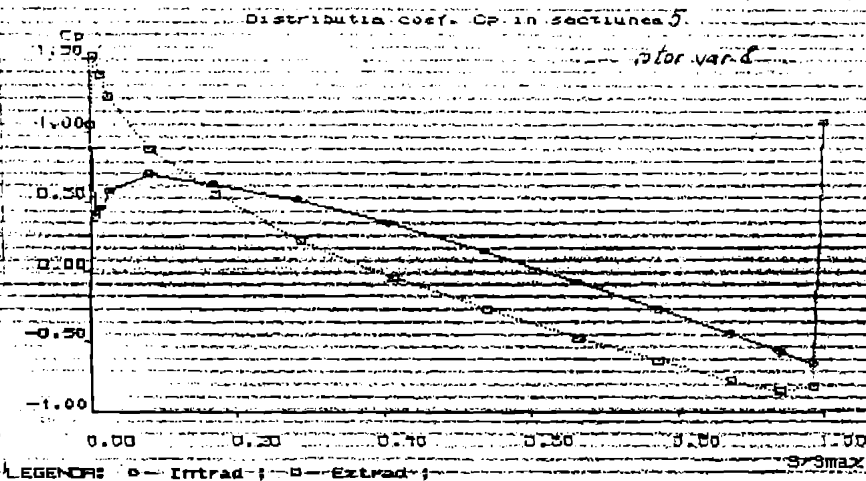
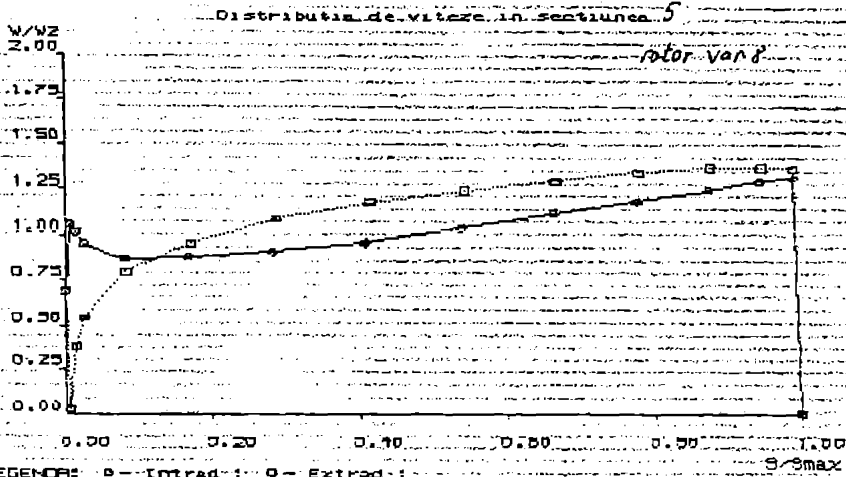


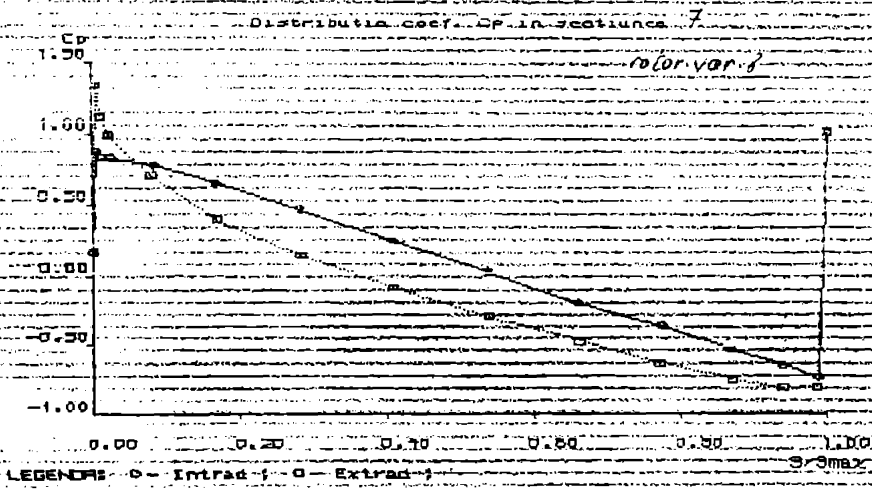
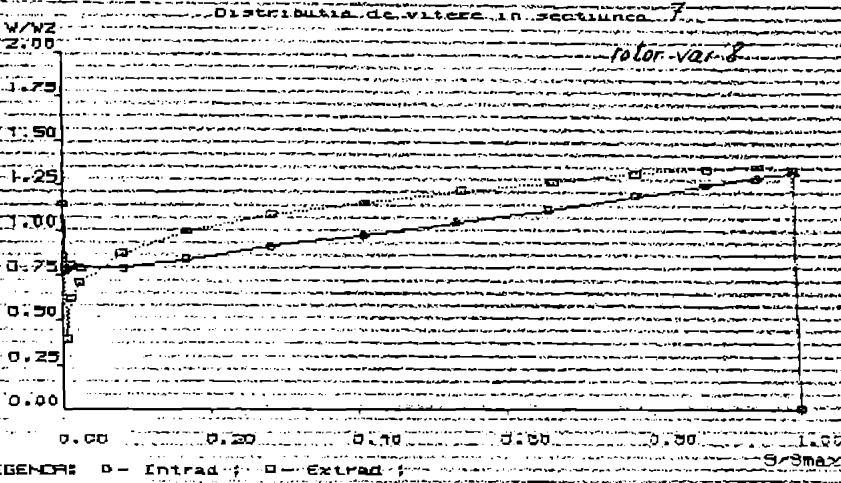




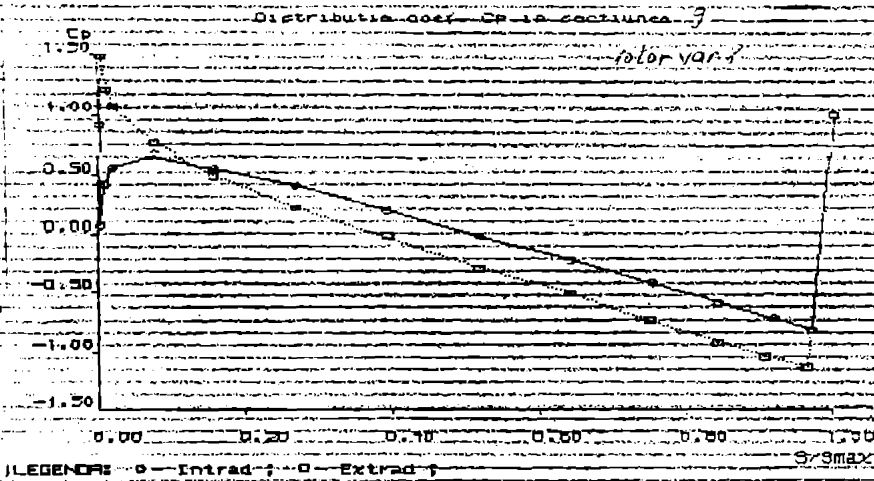
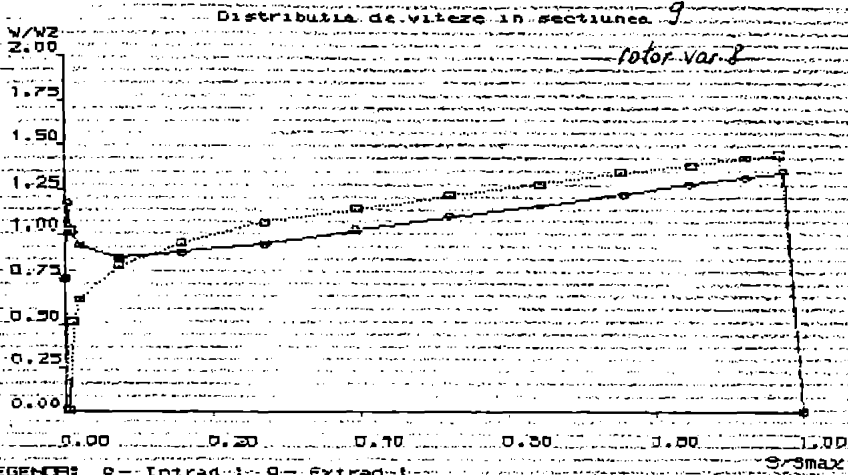


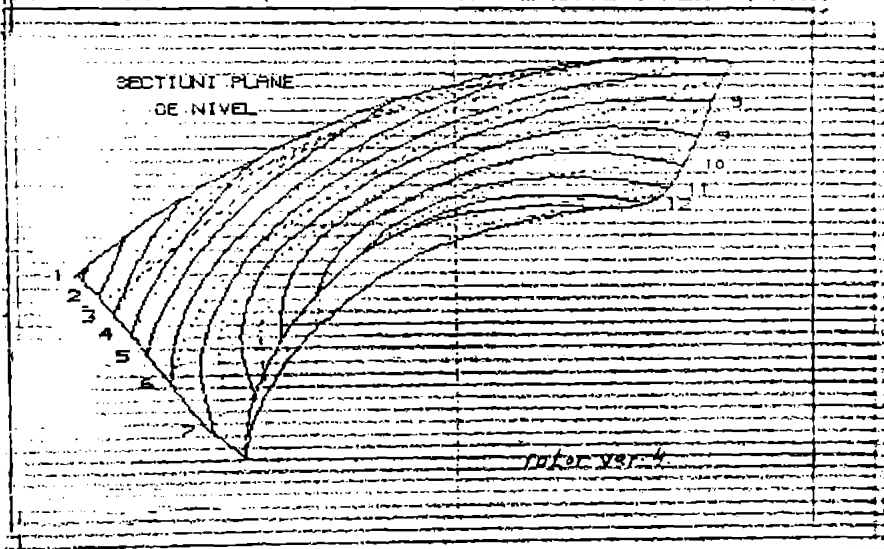
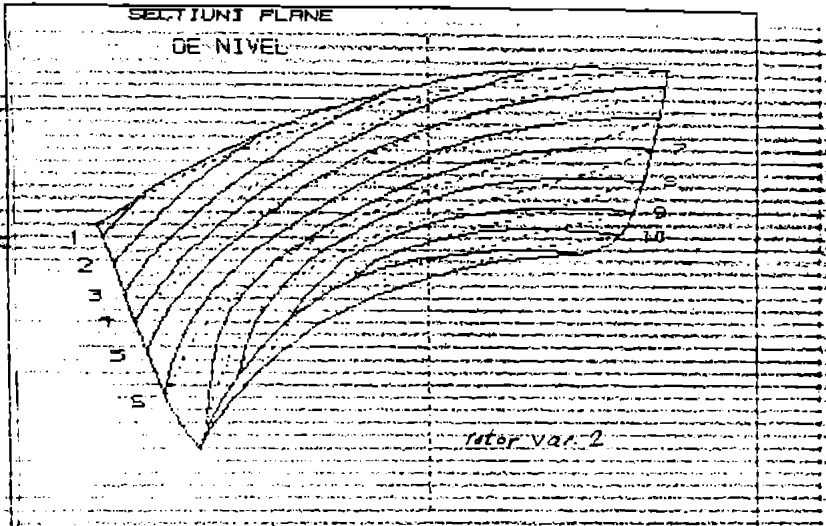




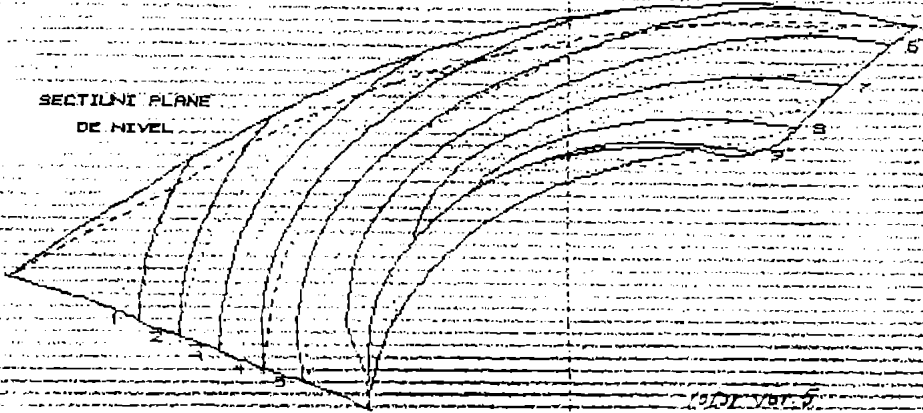




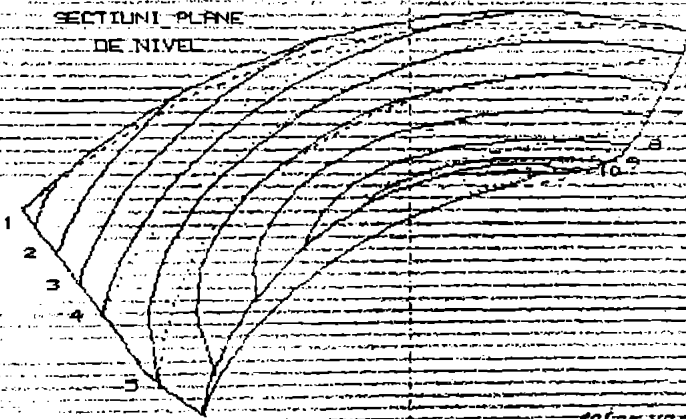


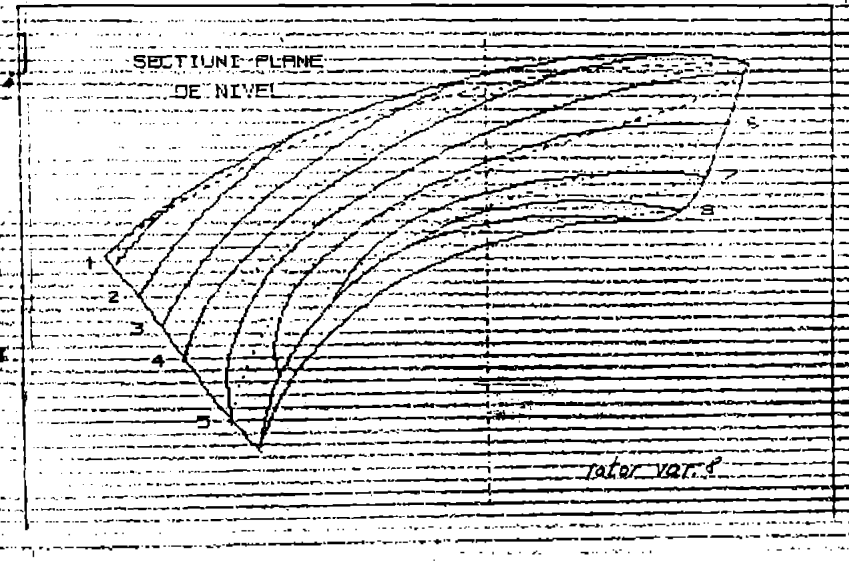
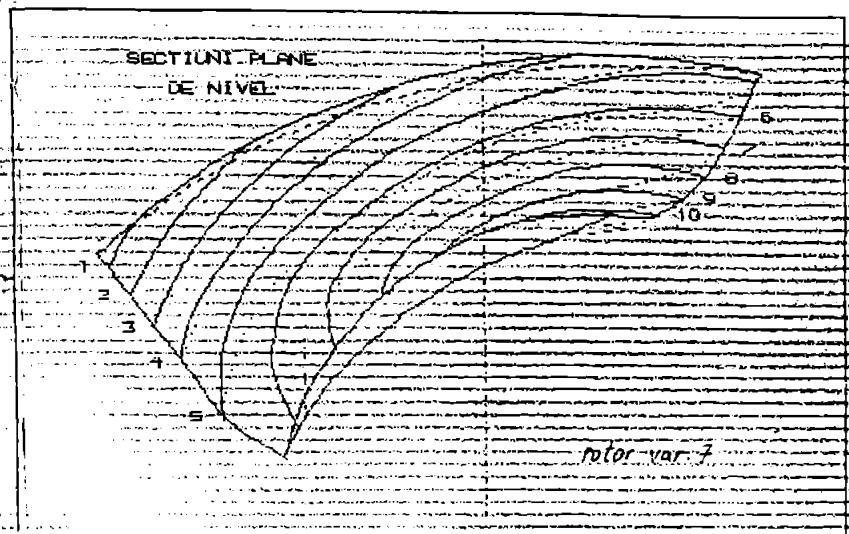


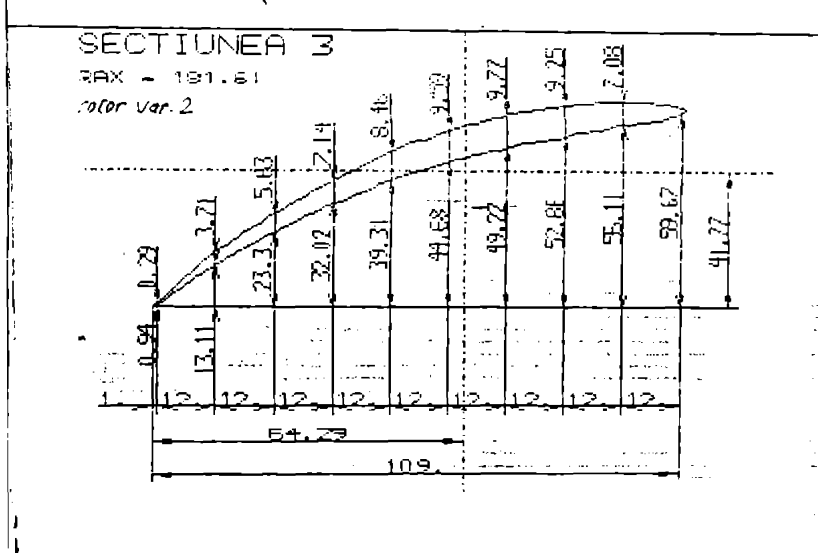
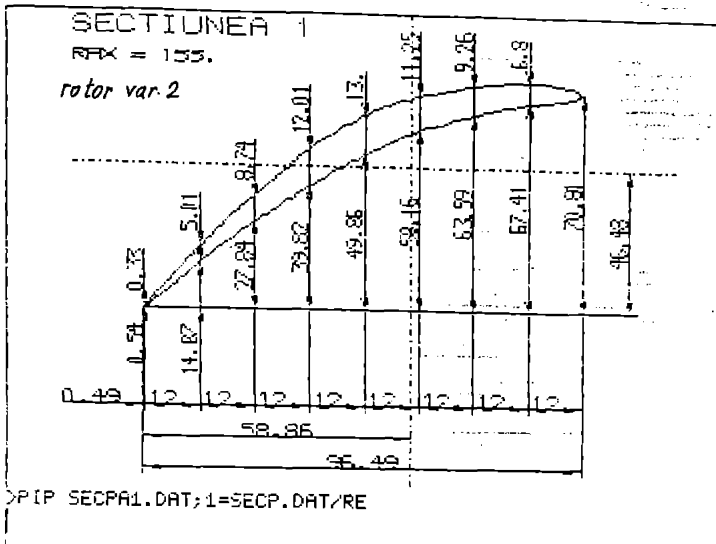
SECTIUNI PLANE  
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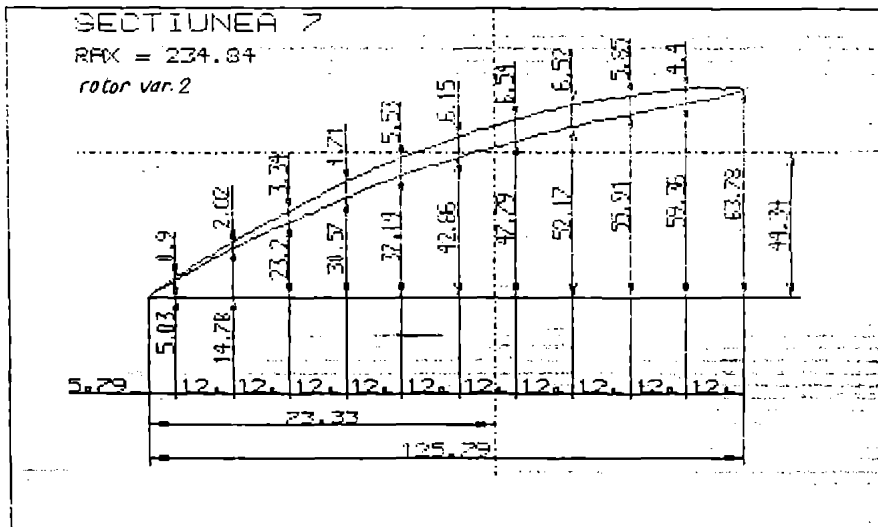
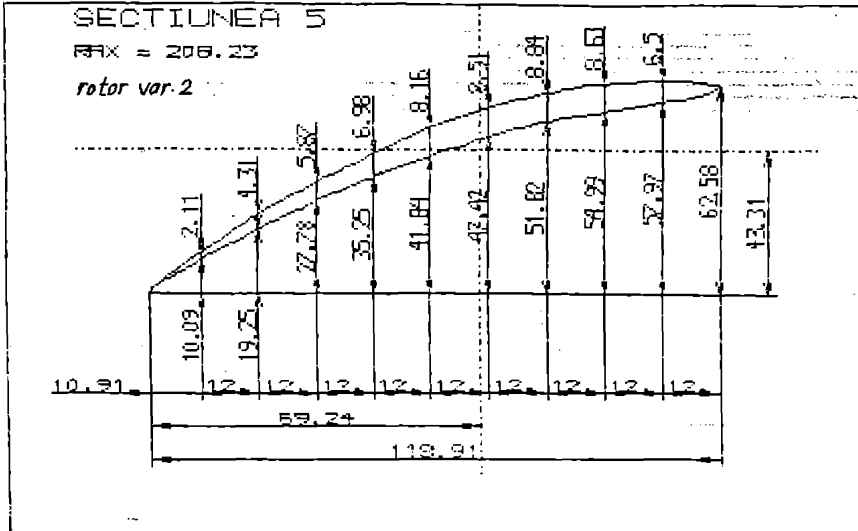


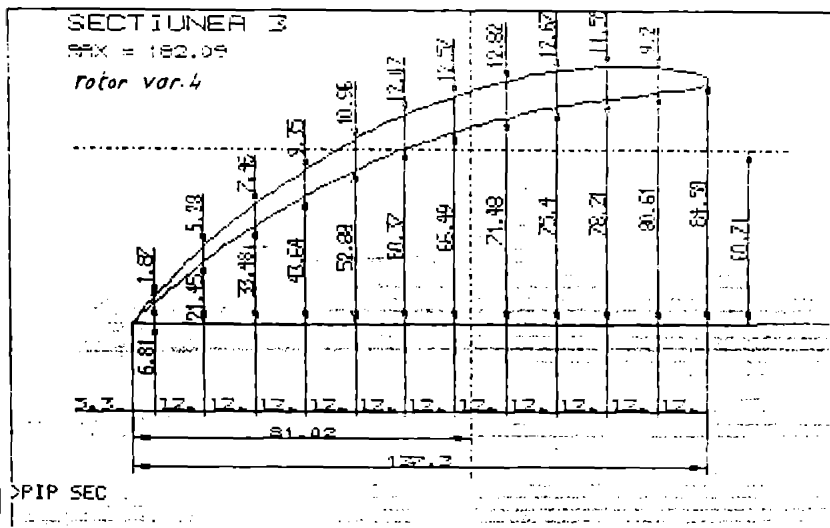
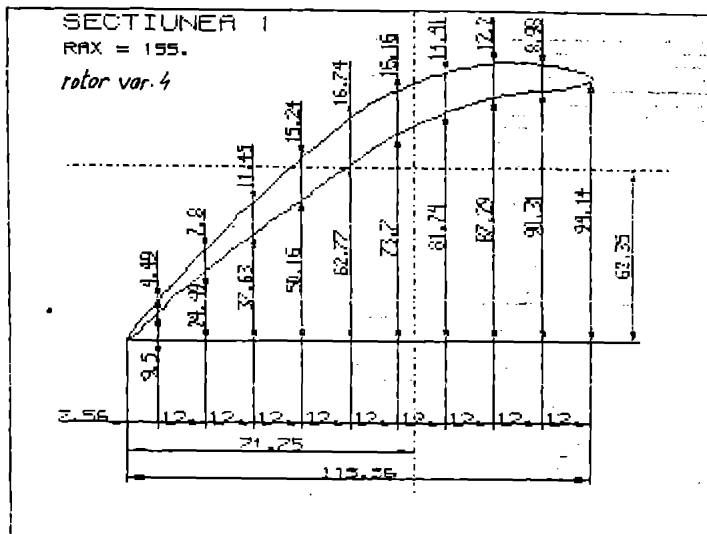
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