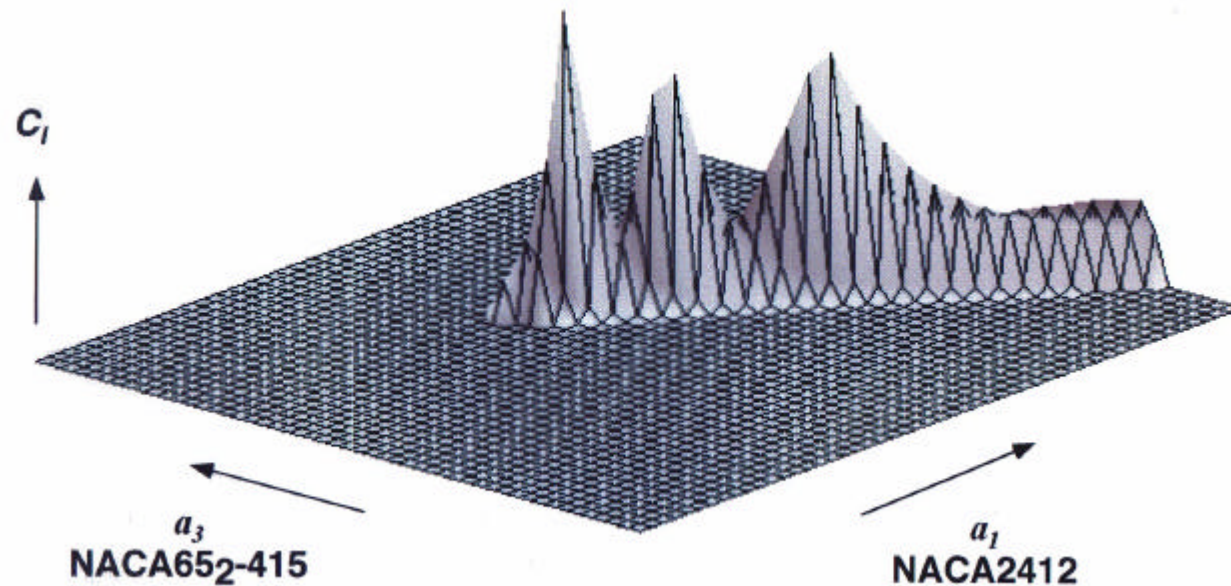
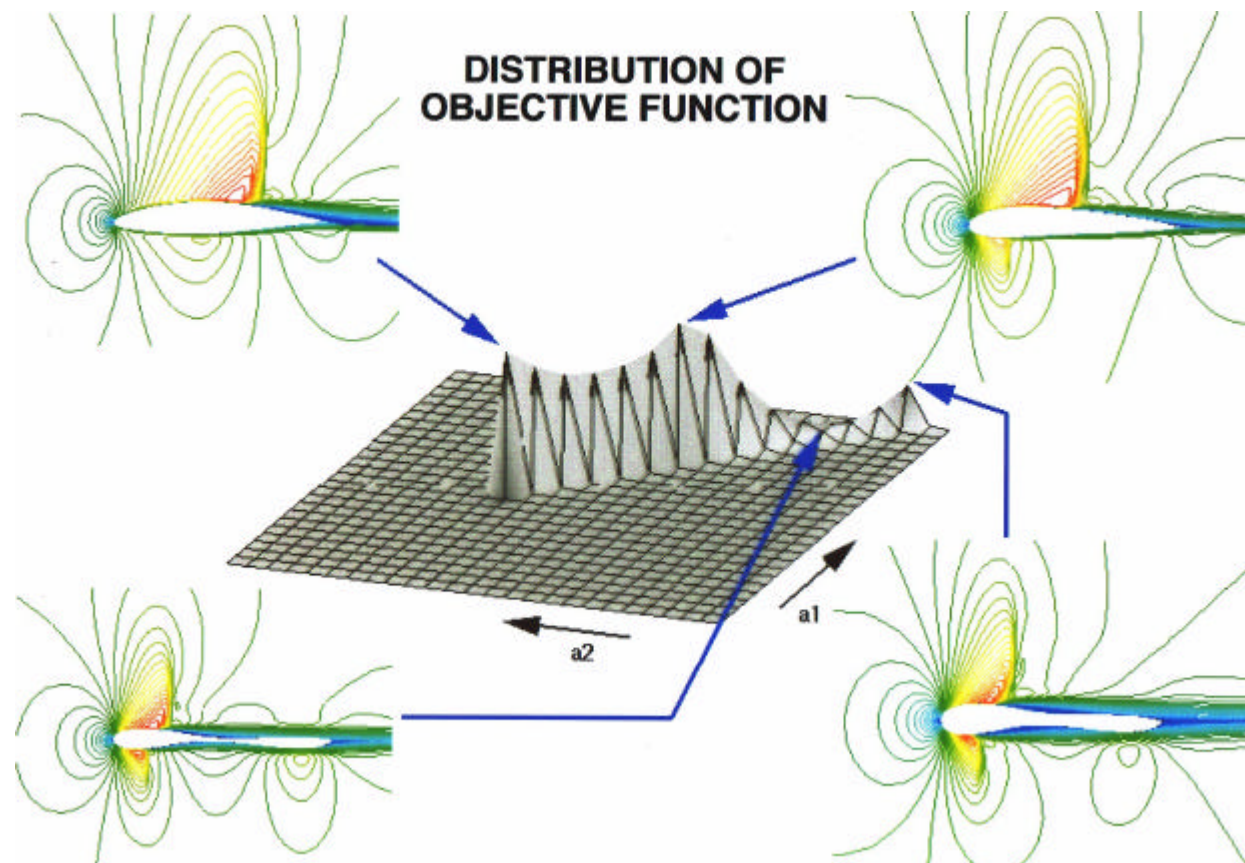


揚力分布の例ー 3

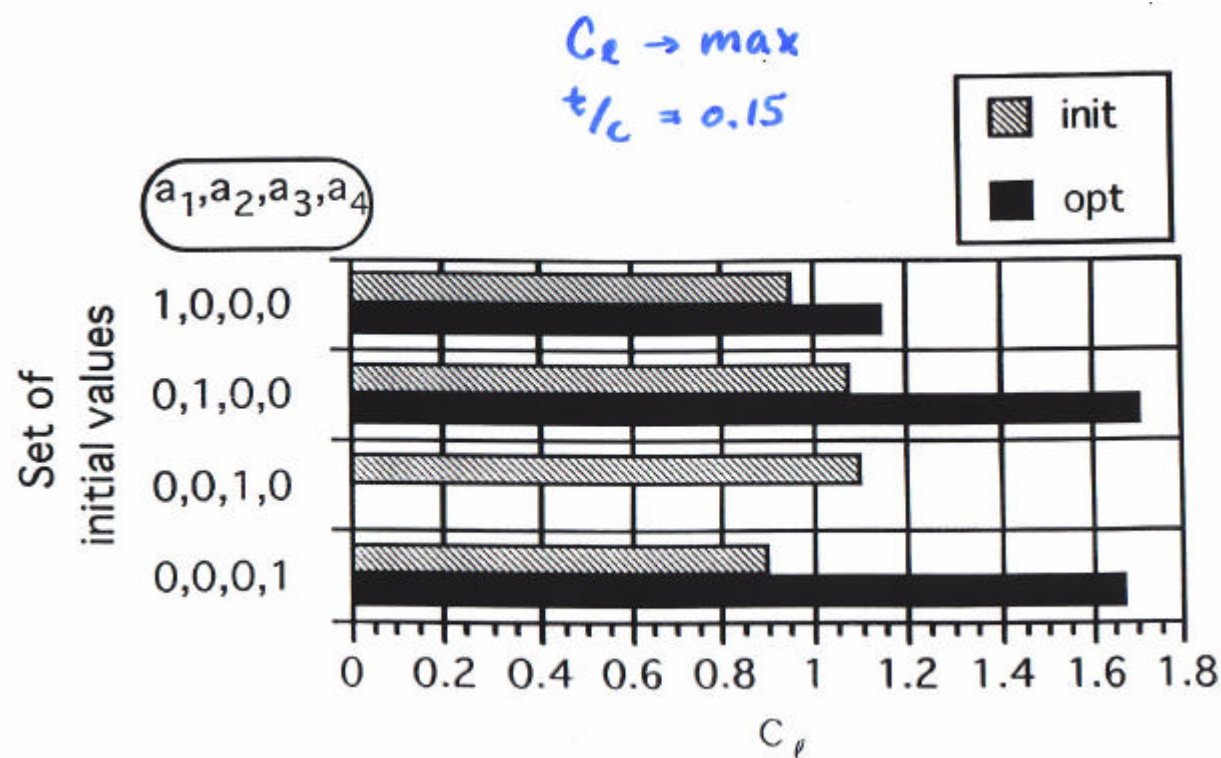
- ◆ 異なる2変数の場合
- ◆ 翼厚を15%に拘束



Navier-Stokes コードでの確認

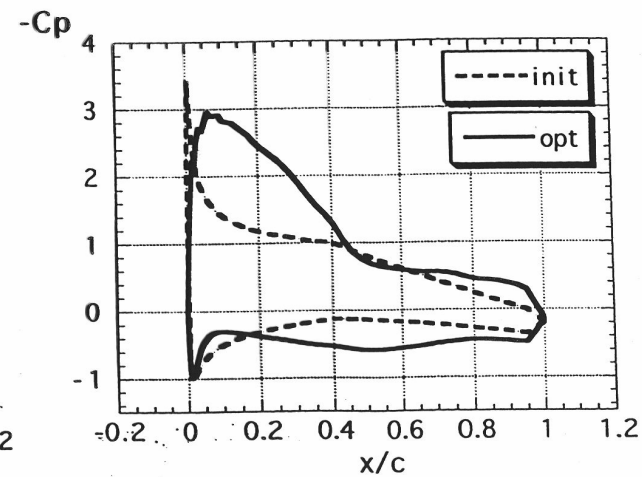
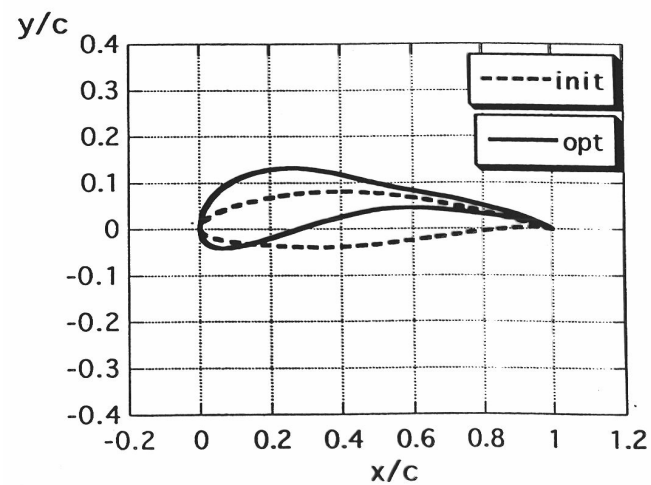


4設計変数での勾配法の結果



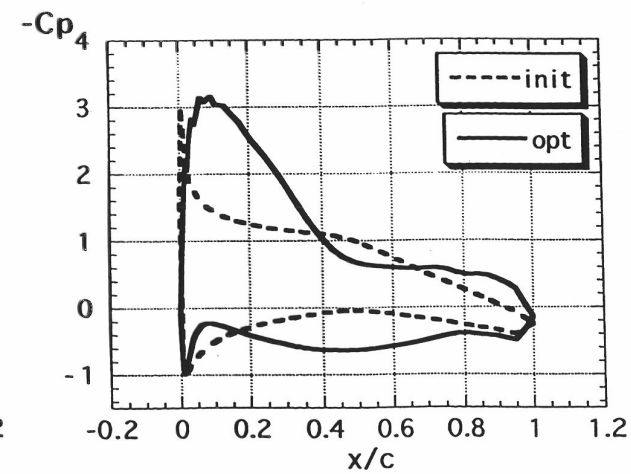
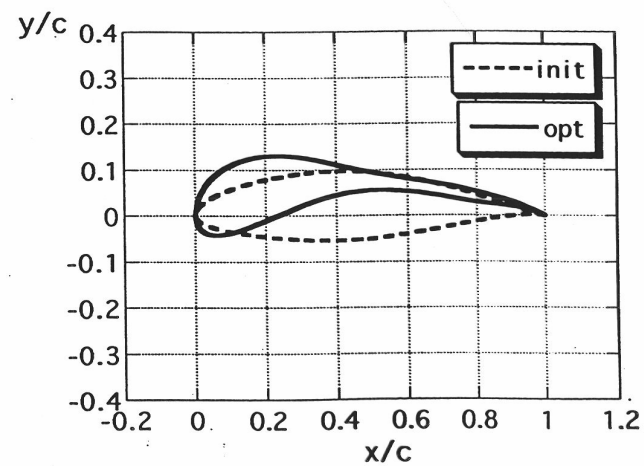
勾配法的设计結果

Example	Comment	a_1	a_2	a_3	a_4	C_ℓ	t/c
Case2	Initial	0.0	1.0	0.0	0.0	1.0730	0.12
〃	Optimum	3.3730	4.9997	-3.0465	-2.9189	1.7087	0.1510



SAの設計結果

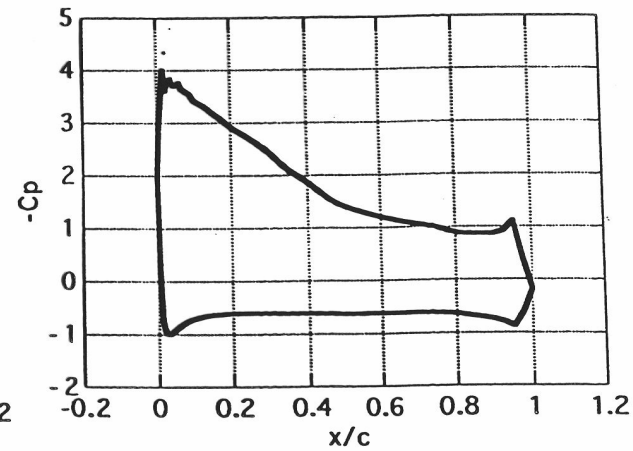
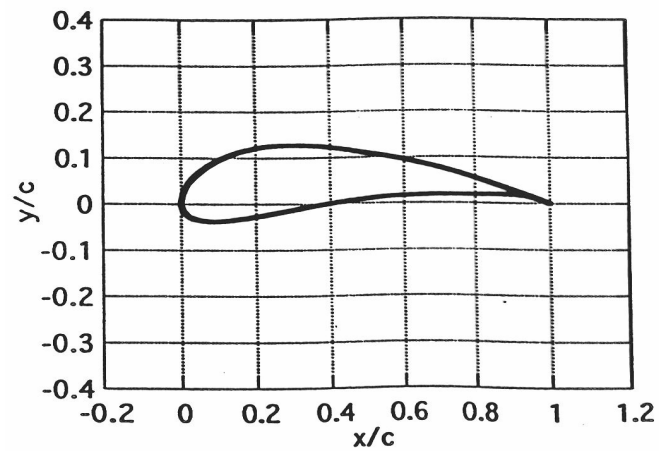
Example	Comment	a_1	a_2	a_3	a_4	C_ℓ	t/c
sa-3	Initial	0.0	0.0	1.0	0.0	1.0946	0.15
//	Optimum	4.9120	2.9618	-1.2422	-4.4522	1.7158	0.15



GAの設計結果

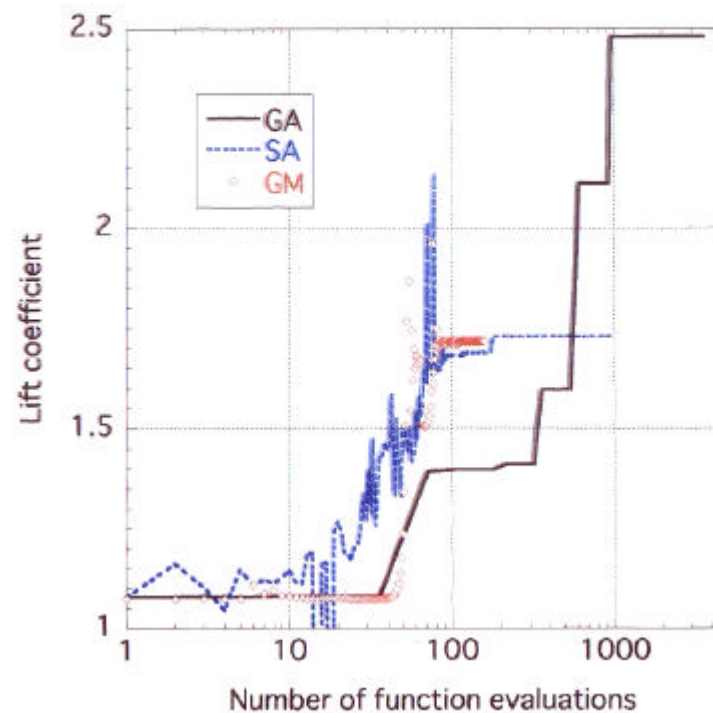
(Population size : 200, Generation size : 100)

a_1	a_2	a_3	a_4	C_ℓ	t/c
2.4678	2.8949	-0.7526	-2.6406	2.4583	0.15



最適化履歴の比較

POPULATION SIZE OF GA = 36



もう一つの問題点ー設計変数

