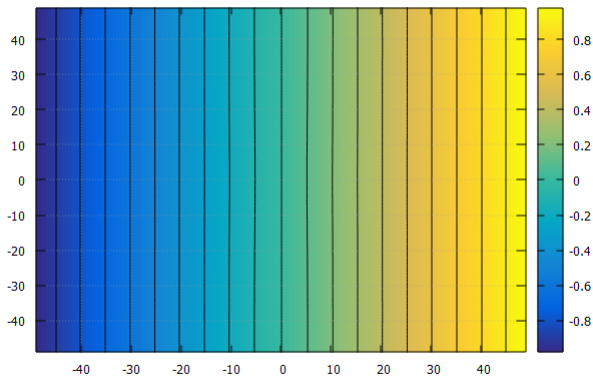


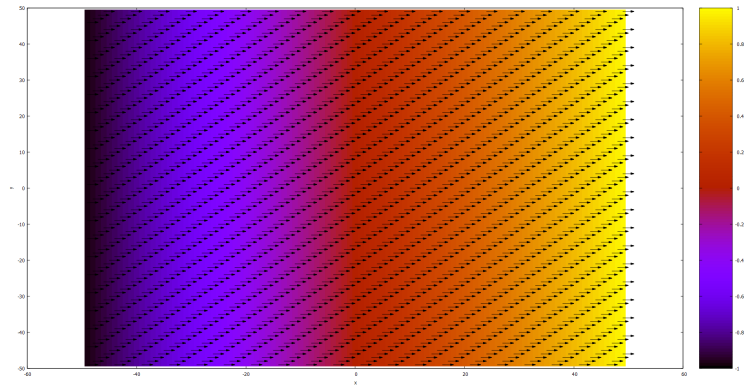
## Projeto 2: A equação de Laplace

Anderson Araújo de Oliveira 11371311

### 1 Parte 1

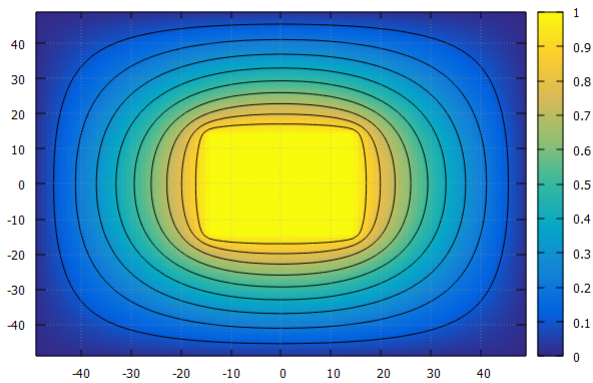


(a) Linhas de equipotenciais

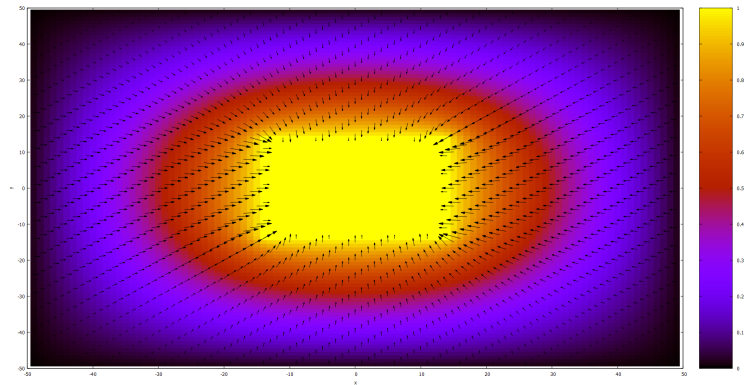


(b) Campo Vetorial do campo elétrico

### 2 Parte 2



(a) Linhas de equipotenciais



(b) Campo Vetorial do campo elétrico

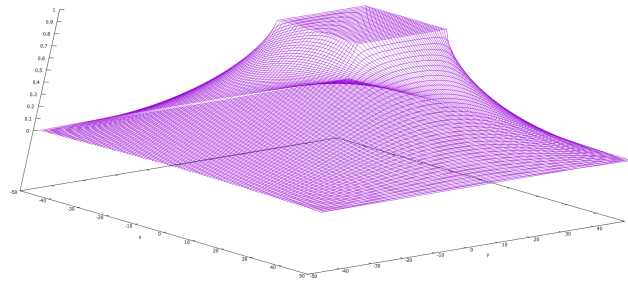
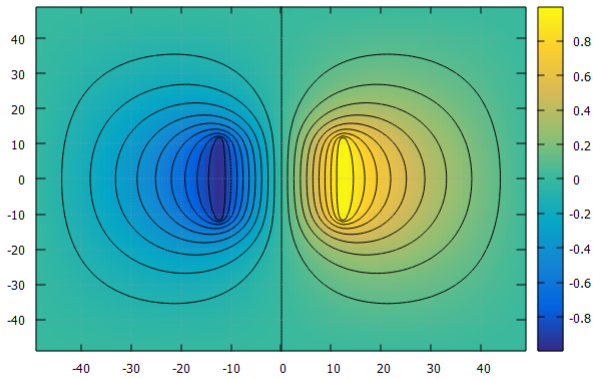
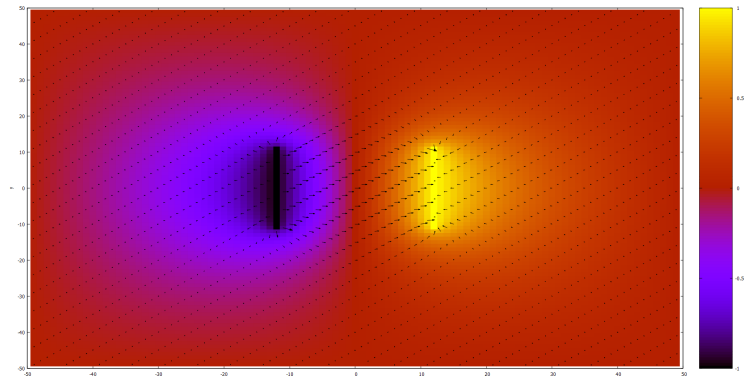


Figura 3: Superfície de potencial

### 3 Parte 3



(a) Linhas de equipotenciais



(b) Campo Vetorial do campo elétrico

Campo elétrico na região entre as placas podemos perceber que campo só se distorce nos extremos das placas

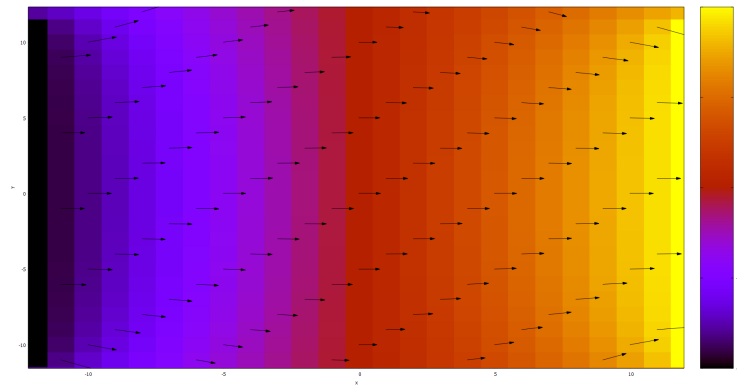
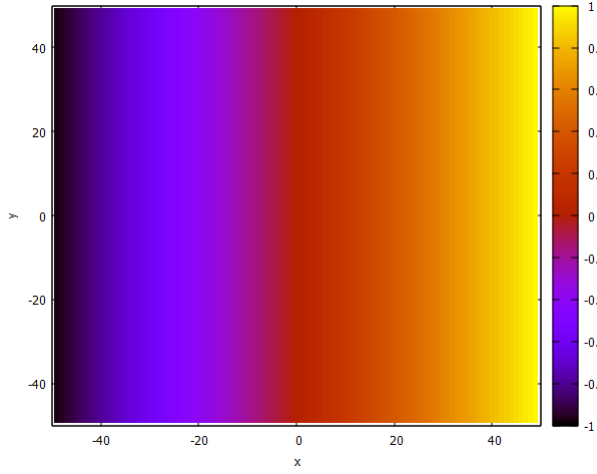
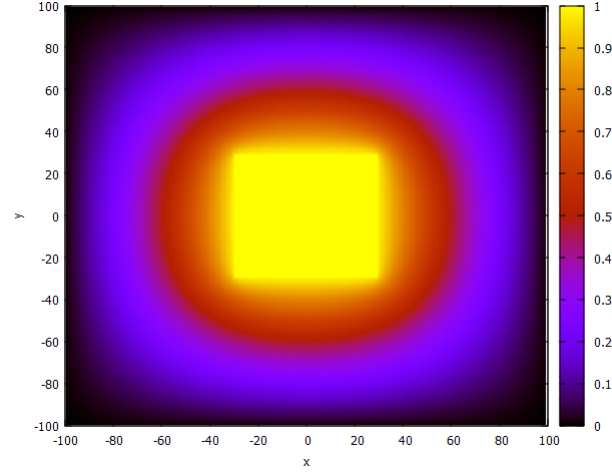


Figura 5: Ampliação na região das Placas

## 4 Parte 4



(a) Parte 1 realizado com caminho aleatório



(b) Parte 2 realizado com caminho aleatório