Final formulation of DR-FCUC

1. Objective function

 (1)

2.Constraints

2.1 Original deterministic constraints



 (2)

 (3)

 (4)

 (5)

 (6)

 (7)

 (8)

 (9)

 (10)

 (11)

 (12)

 (13)

 (14)

2.2 Deterministic constraints resulting from the transformation of the *F*5 term in the objective function



 (15)

2.3 Deterministic constraints resulting from the transformation of the (22)



 (16)

2.4 Deterministic constraints resulting from the transformation of the (23)



 (17)

2.5 Deterministic constraints resulting from the transformation of the (27)



 (18)

where 

2.6 Deterministic constraints resulting from the transformation of the (28)



 (19)

where 

2.7 Linear constraints resulting from the transformation of the (32) by ASVMTREE



 (20)

where =, *M*=106

2.8 Linear constraints resulting from the convexification of bilinear terms



 (21)

whereis introduced to linearize the bilinear term .

3. Variables

 (22)