

for $s = 1$ to NP

$$f_{1s} = |\text{Re-desired imp}| + |\text{Im}| \quad \text{and}$$

$$f_{2s} = \frac{1}{\text{gain}}$$

end for

$f = 1$ % Non-dominated front f

All solutions in the swarm set $\in F$

if (No. solutions in set $F \neq 0$)

$$f = f + 1$$

for $i = 1$ to NP

for $j = 1$ to NP

if ($i \neq j$)

if ($f_{1i} \leq f_{1j}$ **and** $f_{2i} \leq f_{2j}$)

j -th solution $\in D_f$

else

j -th solution $\in P_f$

end if

end if

end for

end for

$$F = D_f$$

end if