

Vortex Island Estimation of Distribution Algorithm++

CEC/GECCO 2023: Evolutionary Computation in the Energy Domain:
Operation and Planning Applications



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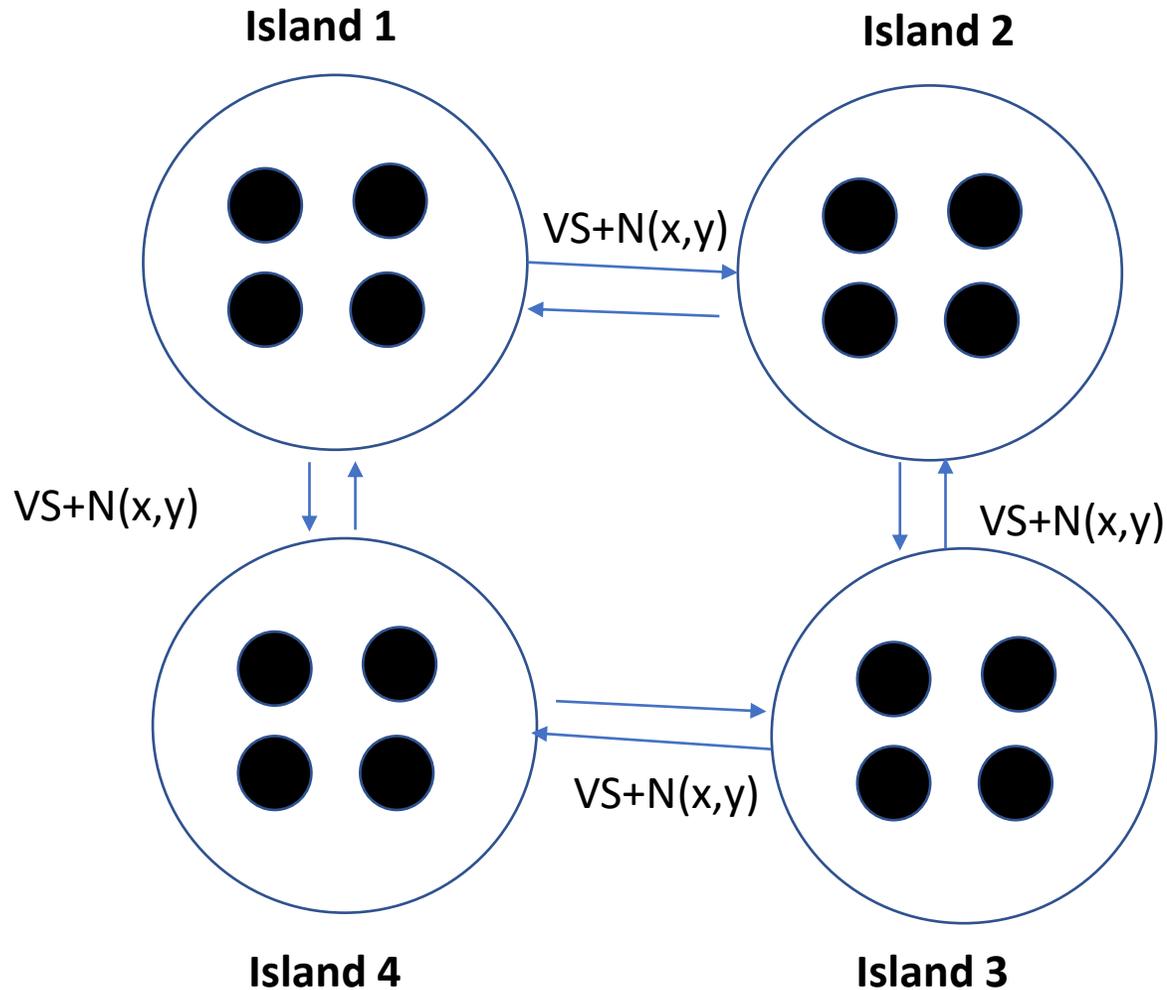
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VIEDA++



Pseudocode

```
Generate N individuals randomly  
For all Island do  
  Select Locally  $K < N$  individuals  
  Estimate K individuals using Normal distribution  
  Generate the size(Island) individuals according to the Vortex Search  
  Insert the generated individuals in auxiliary population  
end For  
Replace the current Island with the auxiliary population  
Swap the best individual between Island(i) and worst individual of Island(i-1)  
Compute and Update the statistics
```

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