Inteligență Artificială Proiect 3

Sinteza și transferul texturii

Echipa

Proiect realizat de:

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- Paraschiv Razvan

Profesori coordonatori:

- Noaica Cristina
- Nisioi Sergiu
- Alexe Bogdan

(a) Sintetizarea imaginii



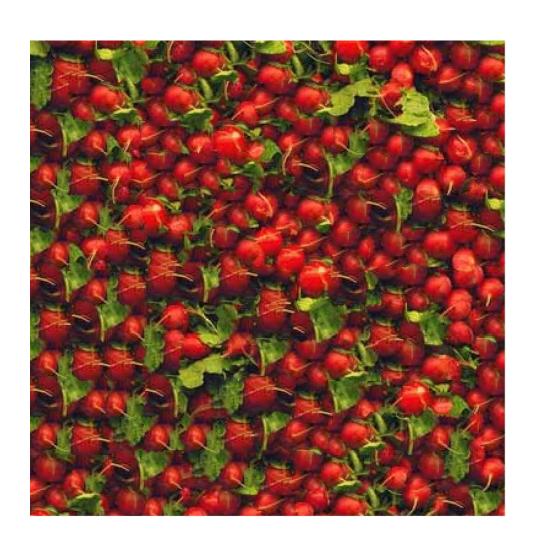
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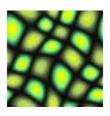


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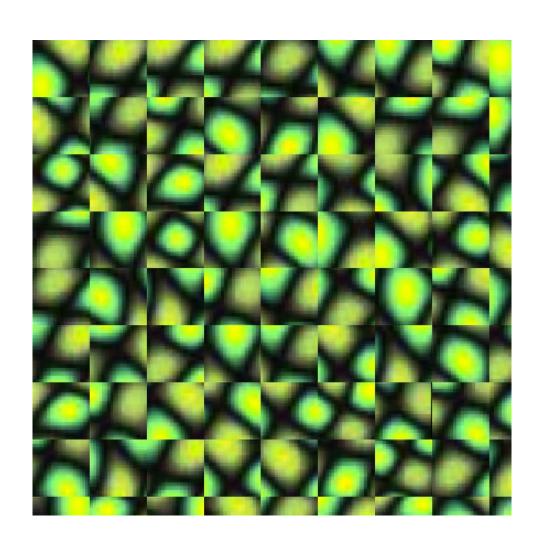


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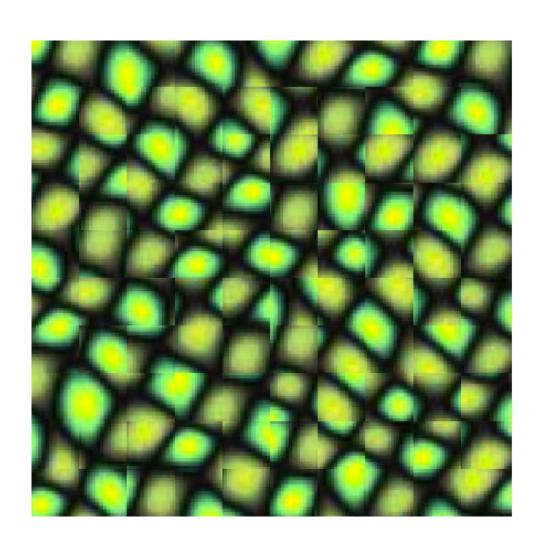




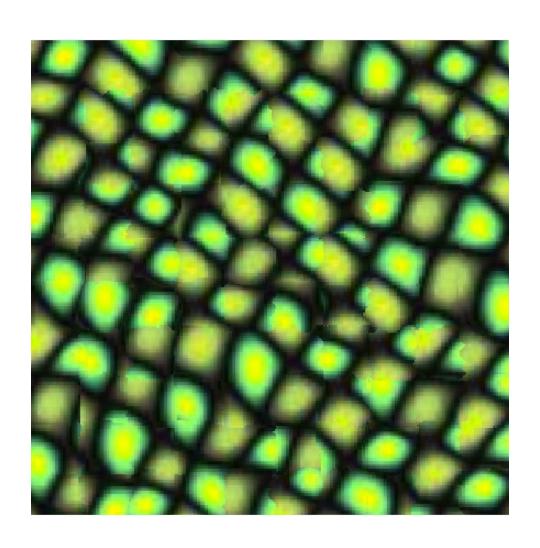
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metodaSinteza = 'frontieraMinima'

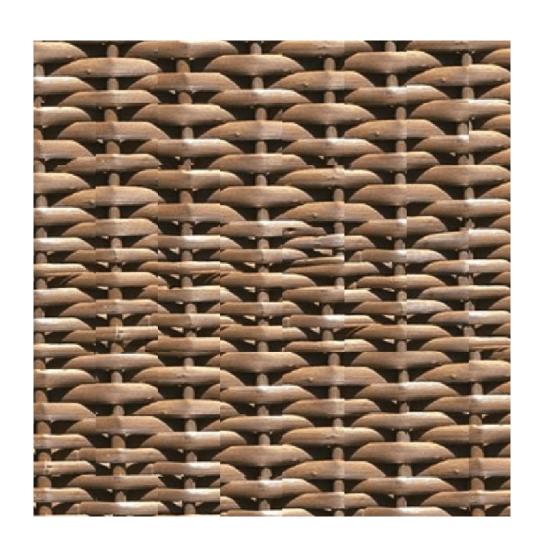




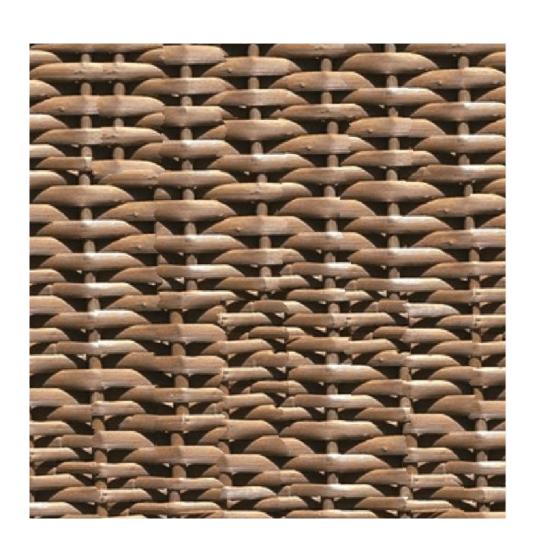
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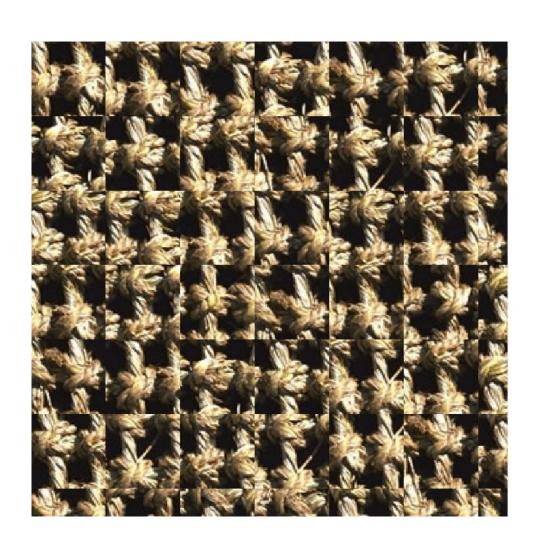


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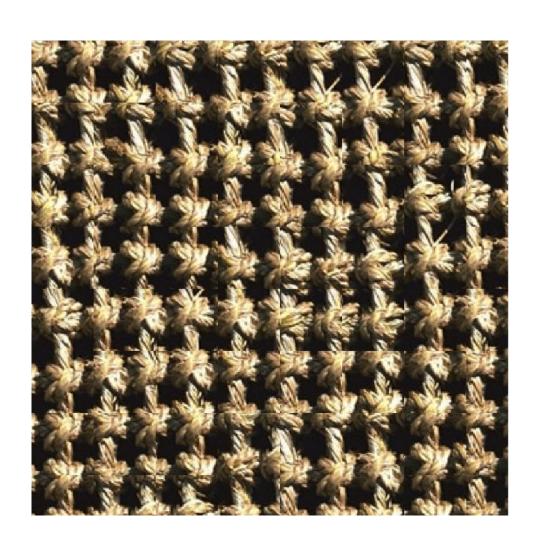




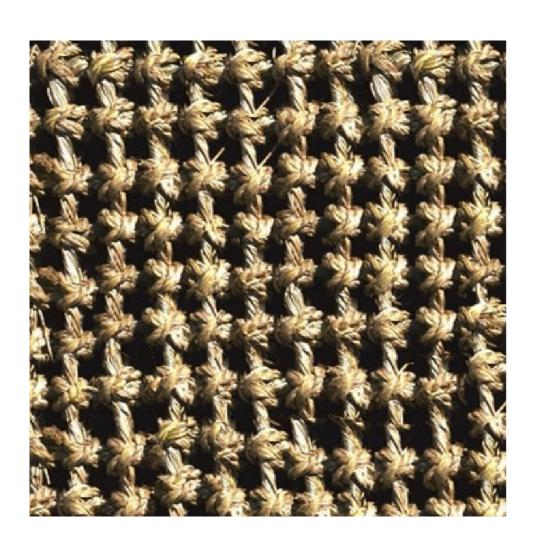
metodaSinteza = 'blocuriAleatoare'



metodaSinteza = 'eroareSuprapunere'



metodaSinteza = 'frontieraMinima'



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metodaSinteza = 'blocuriAleatoare'

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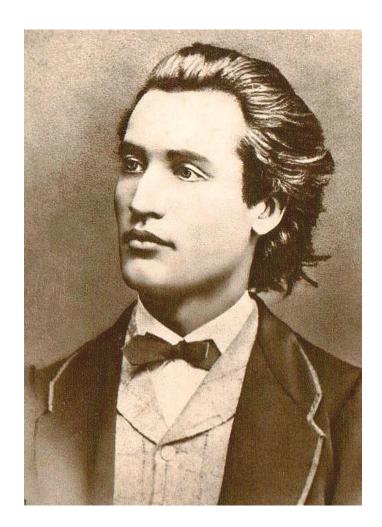
metodaSinteza = 'eroareSuprapunere'

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metodaSinteza = 'frontieraMinima'

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(b) Transfer de textură

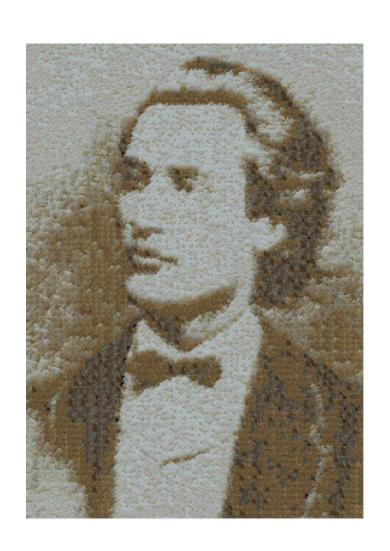


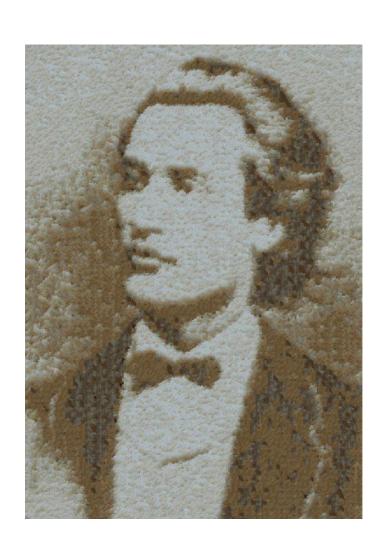
Imagine sursă

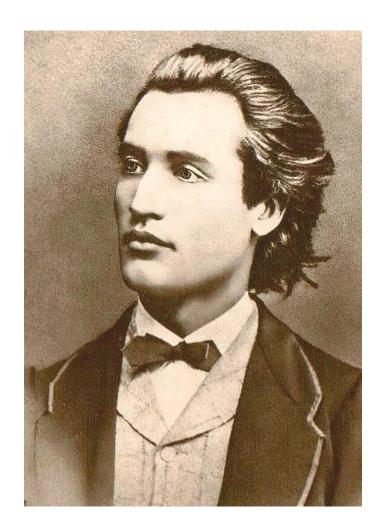


Textură





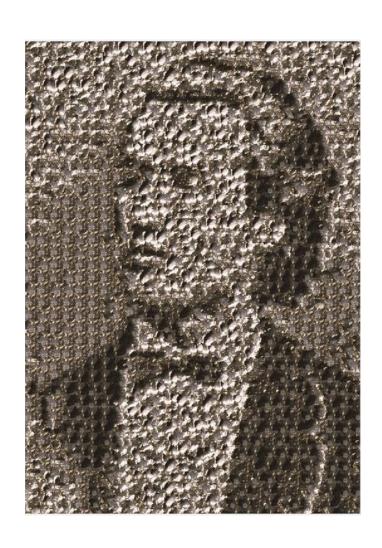


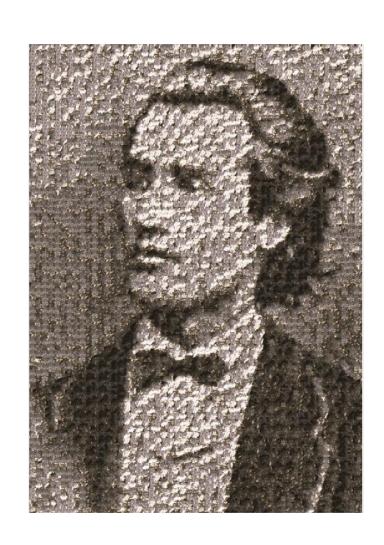


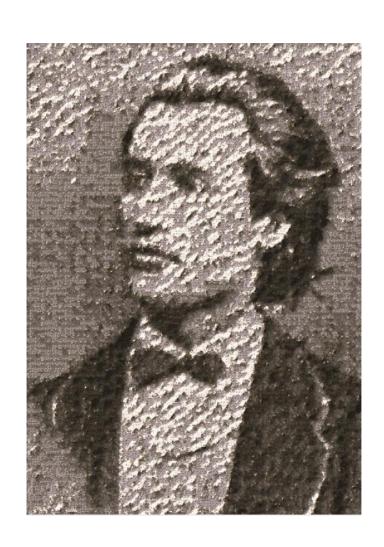
Imagine sursă



Textură







Observații

In urma executării programului pentru diferite texturi, am observat că pentru obținerea unui rezultat satisfăcător trebuie să variăm dimensiunea blocului în funcție de conținutul imaginii inițiale. Astfel, pentru texturile care conțin foarte multă informație importanta(exemplul texturii cu rachita, în care fibrele de lemn trebuie să se îmbine perfect) vom selecta dimensiunea blocurilor să fie destul de mare (96), in timp ce, pentru texturile intiale care nu au nevoie de o precizie foarte mare la imbinare, putem selecta blocuri de dimensiune mai mica(36).