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B B’

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B B’

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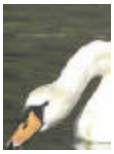
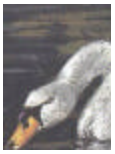
B B’





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A A’ B B’

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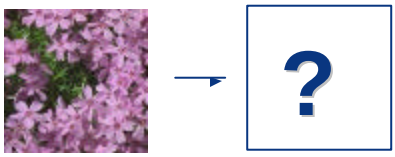
A
A'
B
B'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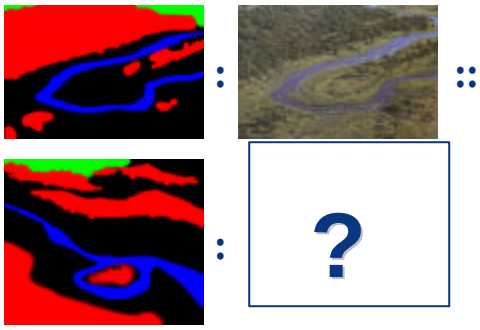
A
A'
B
B'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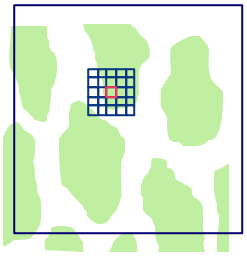
- **Video rewrite** (Bregler 97)
- **Voice puppetry** (Brand 99)
- **Video textures** (Schödl 00)
- **Style machines** (Brand 00)
- **Composable controllers** (Faloutsos 01)
- **Expression mapping** (Liu 01)
- **Expression cloning** (Noh 01)

- **Non-parametric sampling** (Efros 99)
- **VISTA** (Freeman 00)
- **Multiscale synthesis** (Wei 00)
- **Coherent synthesis** (Ashikhmin 01)
- **Resynthesizer** (Harrison 01)
- **Quilting** (Efros 01)
- **Patch-based sampling** (Liang 01)

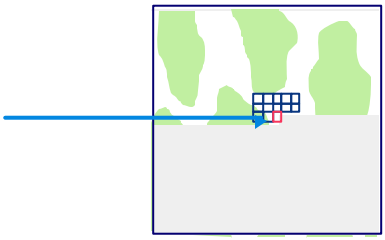
- **Painting** (Haeberli 90; Meier 96; Curtis 97; Hertzmann 98, 00, 01)
- **Pen-and-ink** (Salisbury 94, 96, 97; Winkenbach 94, 96; Meier 96; Hertzmann 00; Praun 01)
- **Illustration** (Saito 90; Gooch 98, 99)
- **Engraving** (Ostromoukhov 99)
- **Graftals** (Kowalski 99)

- **NPAR 2000 symposium**

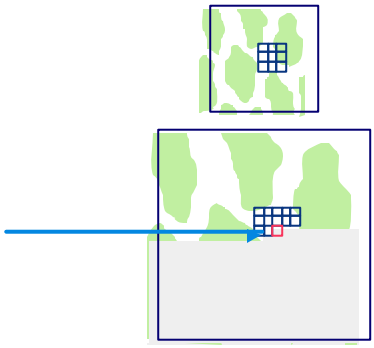
- **Tour-into-the-picture** (Horry 97)
- **Multiperspective panoramas** (Wood 97)
- **Performance-driven hand-drawn animation** (Buck 00)
- **NPR VR** (Klein 00)
- **Pen-and-ink style translation** (Freeman 00)
- **Lit Sphere** (Gooch 01)



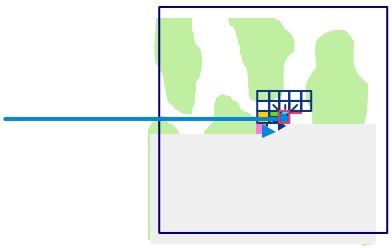
Output texture



Output texture

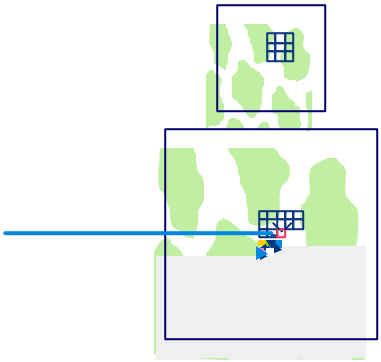


Output texture (Wei 2000)

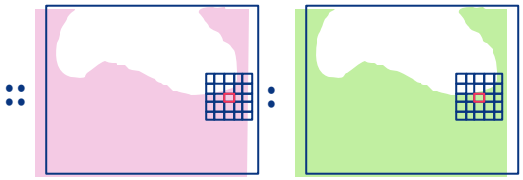


Output texture

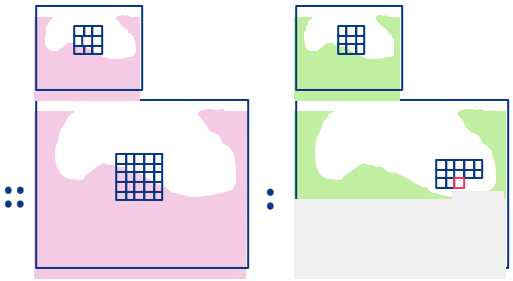
Output texture (Ashikhmin 2000)



Output texture (our algorithm)



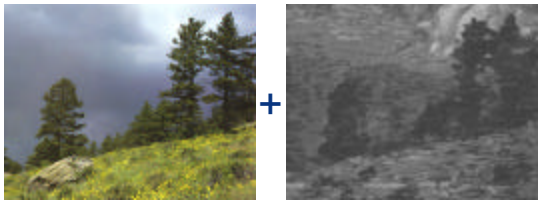
B B’



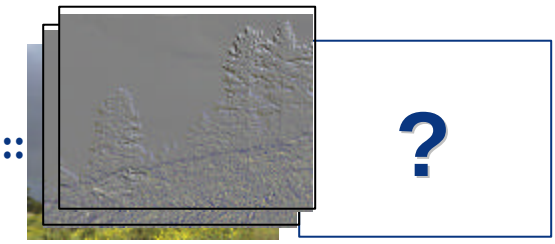
B B’

B B’

B B’



B (IQ) B’ (Y)

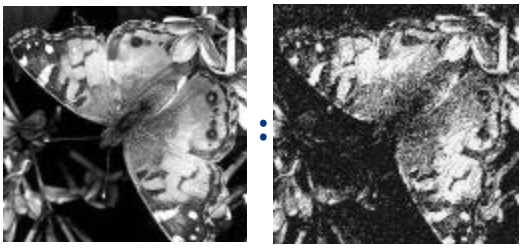


B B’

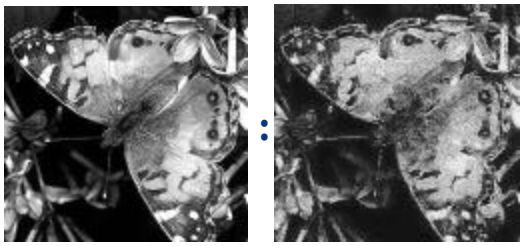
B B’

B B’

B’ (closer to photo) B’ (closer to texture)

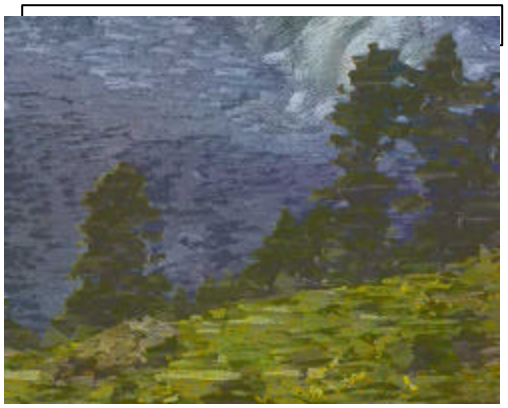


B B’

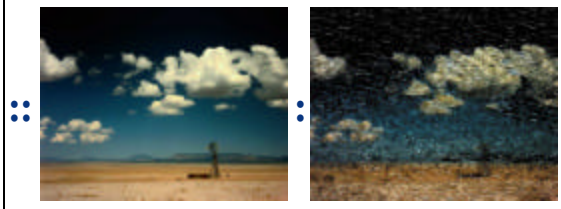


B B’

B B’



B B’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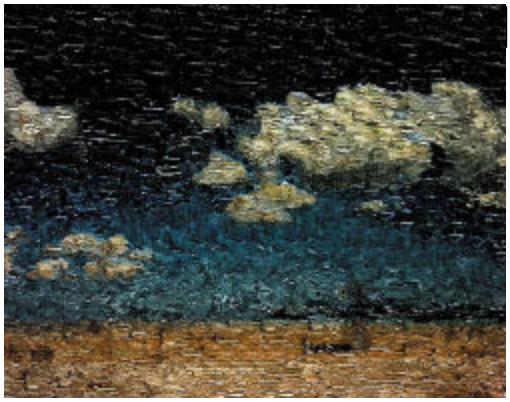
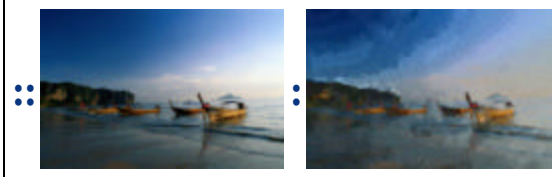
B
B’

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B
B’

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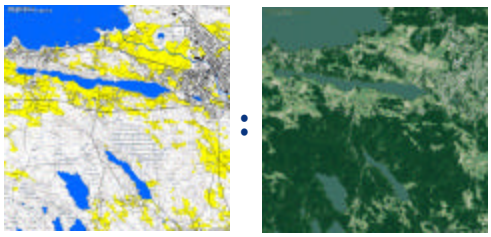
B
B’

A A’

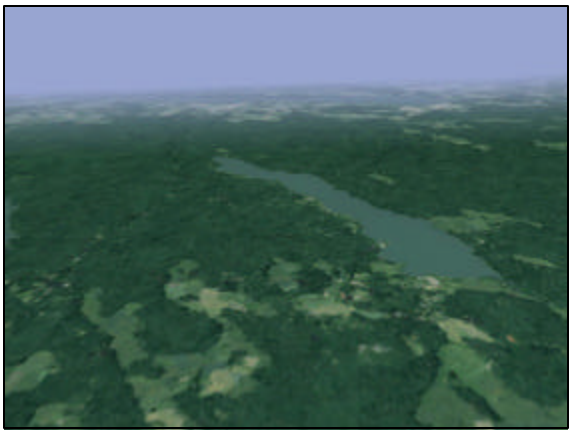
B B’

B B’

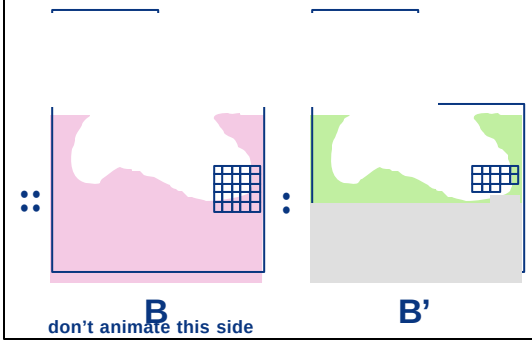


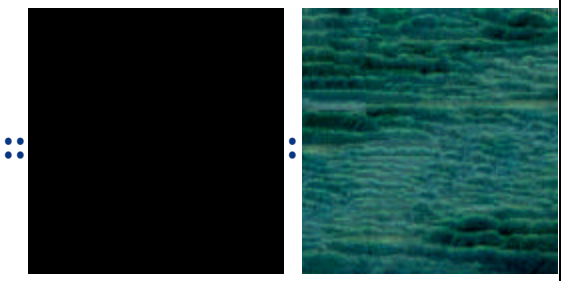
B
(reduced)

B’
(reduced)



END.


B
B’
don’t animate this side


B
B’