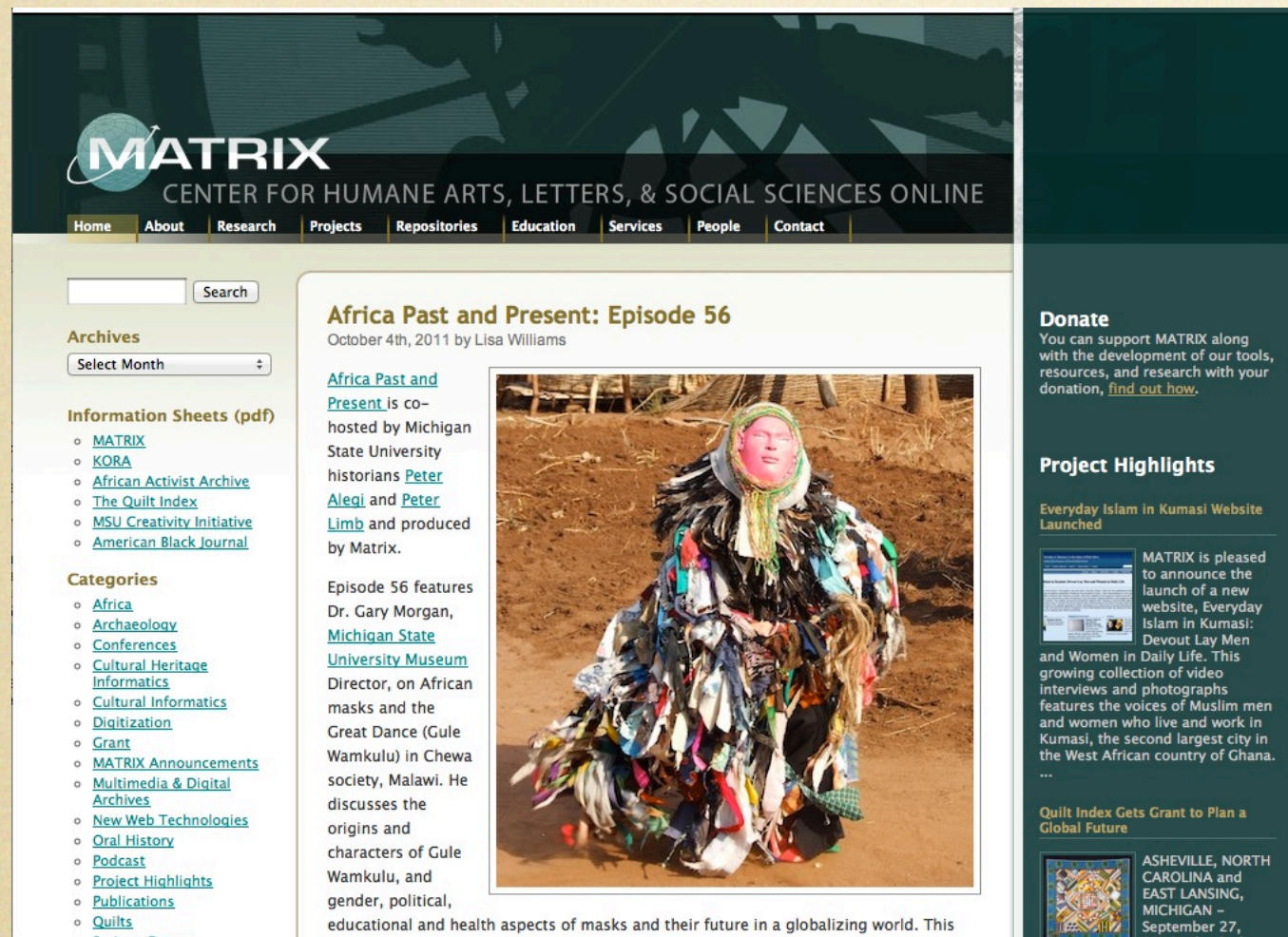


The Impact of Open Access and Open Repositories on Research in the Humanities



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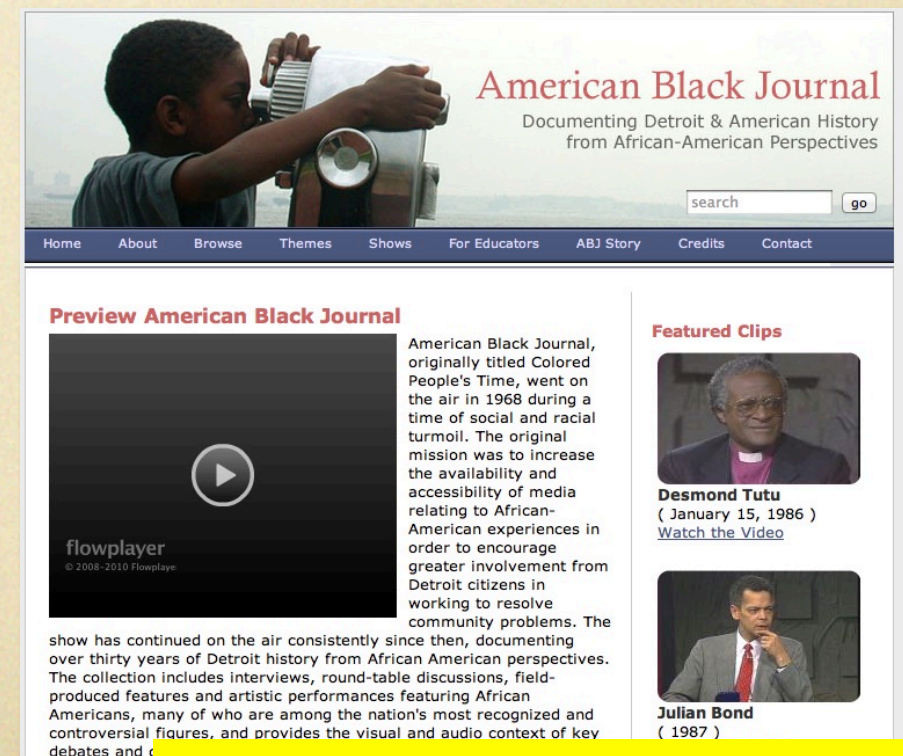
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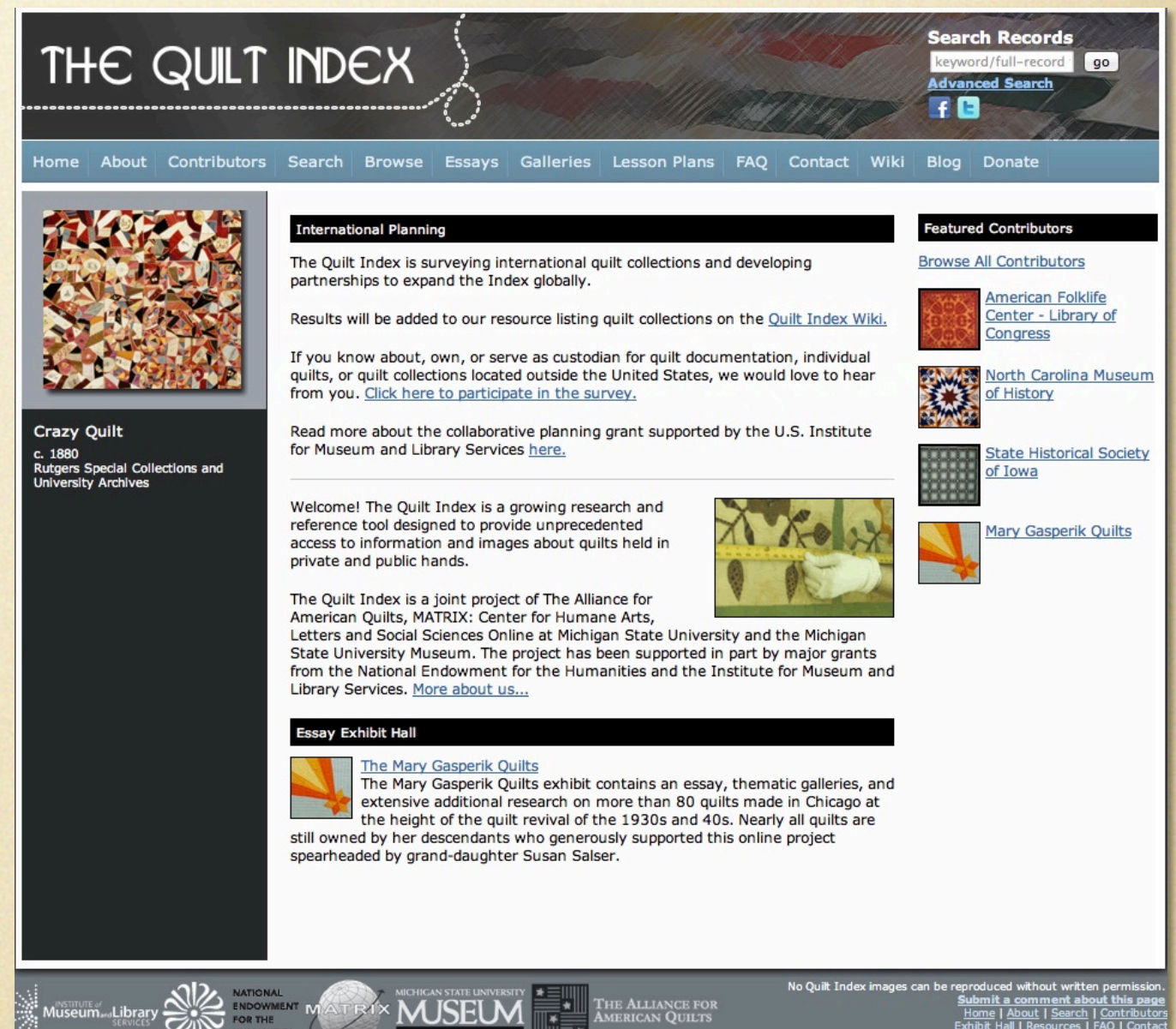
Permeates Center's Mission



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Open Access Challenges

- Project Based Funding
- Intellectual Property
- Access



Part 1: Complexities of Access



Abraham Lincoln By Baron Godfrey Rathbone Benson Charnwood[Overview](#)[Read](#)[Reviews](#) (0)[Buy](#)

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1

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ABRAHAM LINCOLN

CHAPTER I

BOYHOOD OF LINCOLN

THE subject of this memoir is revered by multitudes of his countrymen as the preserver of their commonwealth. This reverence has grown with the lapse of time and the accumulation of evidence. It is blended with a peculiar affection, seldom bestowed upon the memory of statesmen. It is shared to-day by many who remember with no less affection how their own fathers fought against him. He died with every circumstance of tragedy, yet it is not the accident of his death but the purpose of his life that is remembered.

Readers of history in another country cannot doubt that the praise so given is rightly given; yet any bare record of the American Civil War may leave them wondering why it has been so unquestioningly accorded. The position and task of the American President in that crisis cannot be understood from those of other historic rulers or historic leaders of a people: and it may seem



› Overview

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[Language Arts & Disciplines](#)

Other editions

[Edition 3](#) - 1982 - Snippet view

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3 pages matching **media** in this book

Page 122

in support of a principle. . . .¹⁷

In a similar vein, the National Association of Broadcasters sponsored a study which tried to prove that cross-media ownership produces better, **cross-media**. Author **Clara L. L. L.** interviewed owners, journalists,

Page 185

Amendment, but the courts have ruled it legal.

Are the mass **media** free to accept or reject advertising as they wish? As the cigarette example proves, the broadcast **media** may be forbidden to accept advertisements for certain products. Except for the requirements of the fairness doctrine and the equal time rule, however, they may

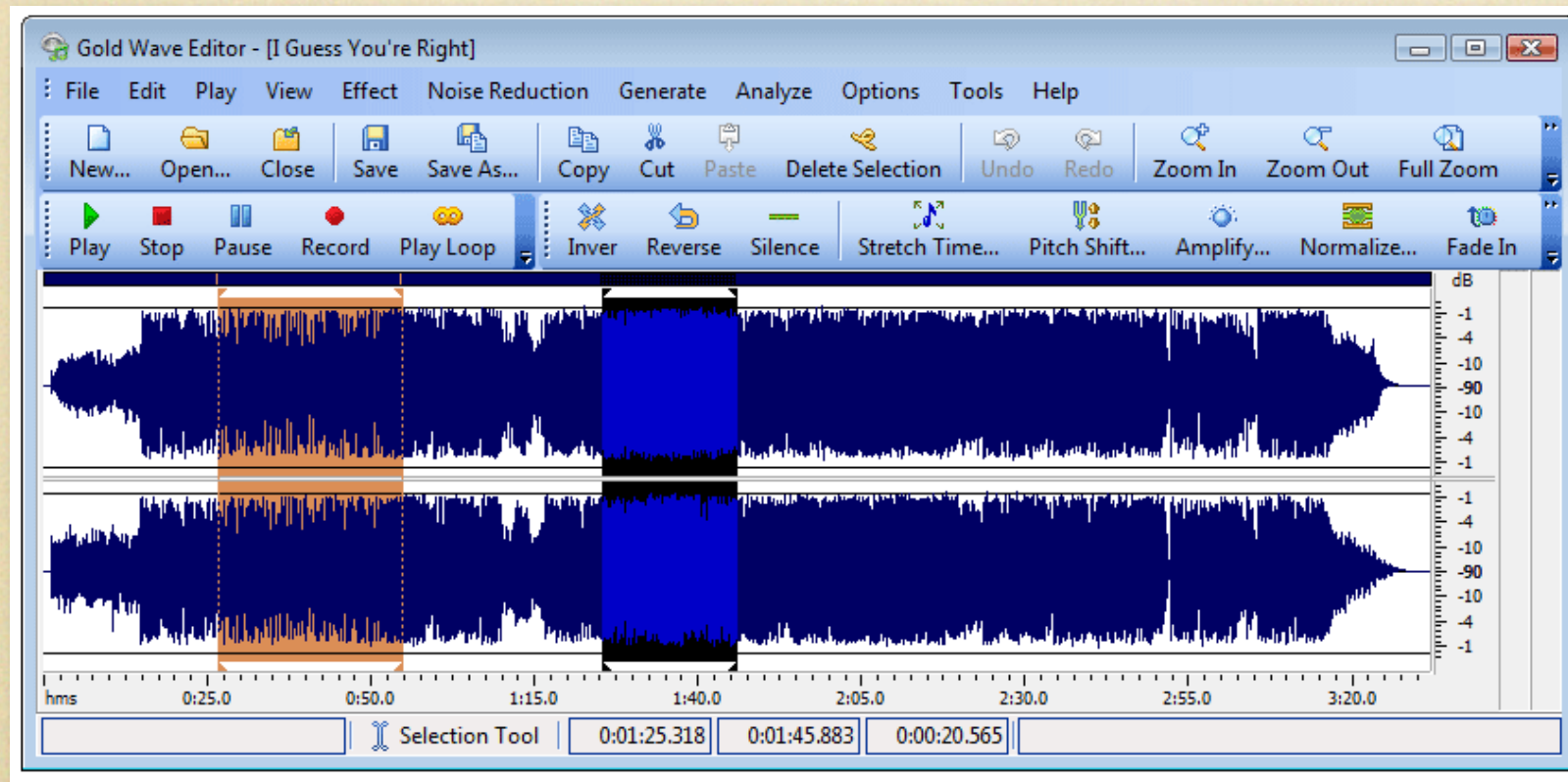
Page 206

casters he consulted. "Why don't you get interested in ice hockey?" one sympathetic radio man suggested. "We cover that all the time."

Every day hundreds of Mrs. Greens and Mr. Hendersons across the country discover to their surprise that they are unable to influence the content of the mass **media**. Control over the flow of information is exer-

[Where's the rest of this book?](#)



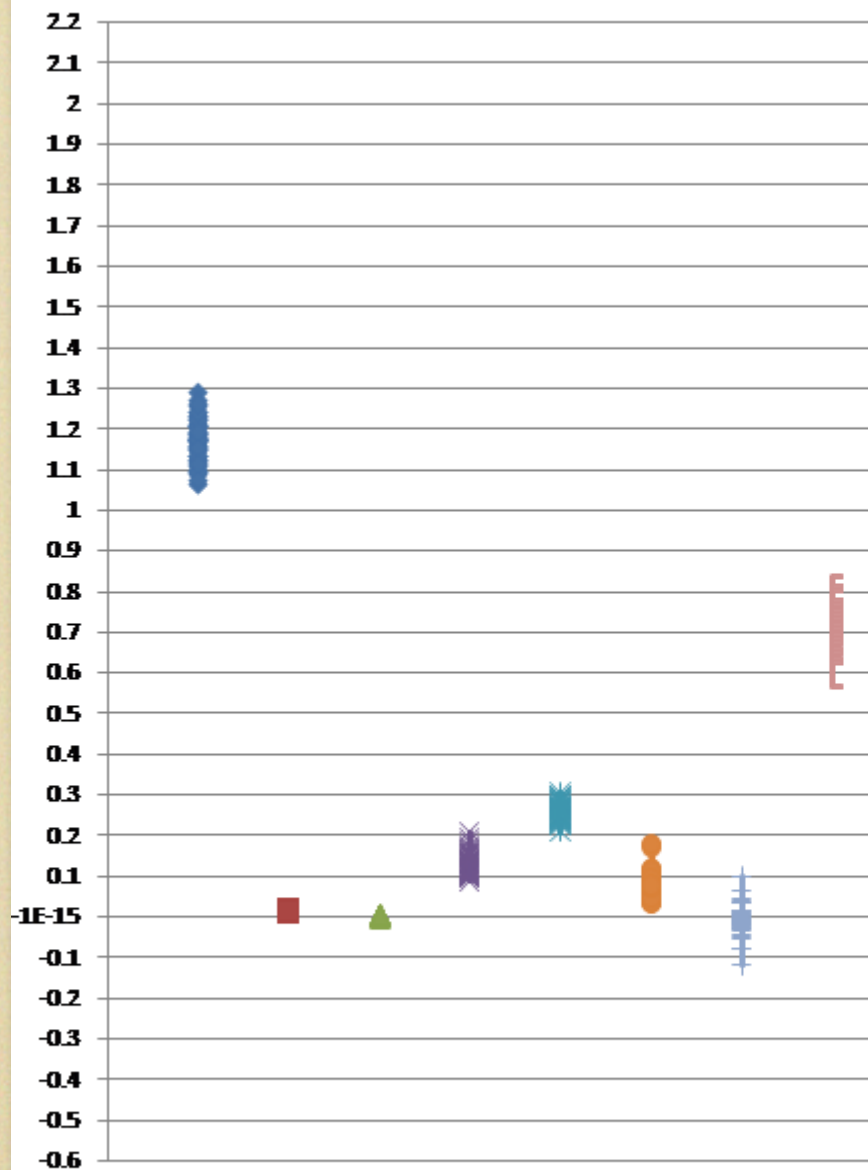



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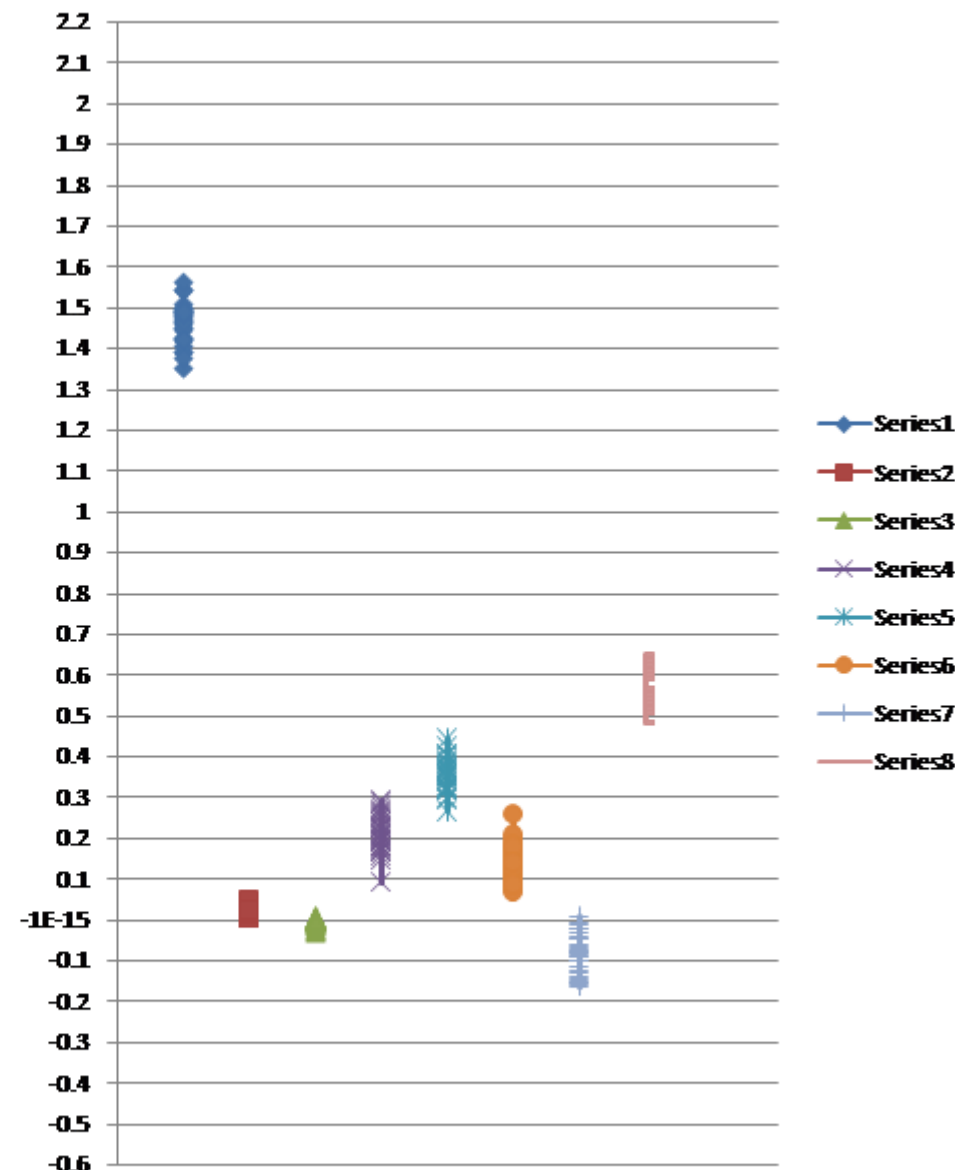
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currfile: roosevelt19430728.xml compfile: amvoices-a0a013-a.wav.data.xml distance:
0.679979
currfile: roosevelt19430728.xml compfile: amvoices-a0a014-a.wav.data.xml distance:
0.482993

```

Reagan Cluster 1



Roosevelt Cluster 1

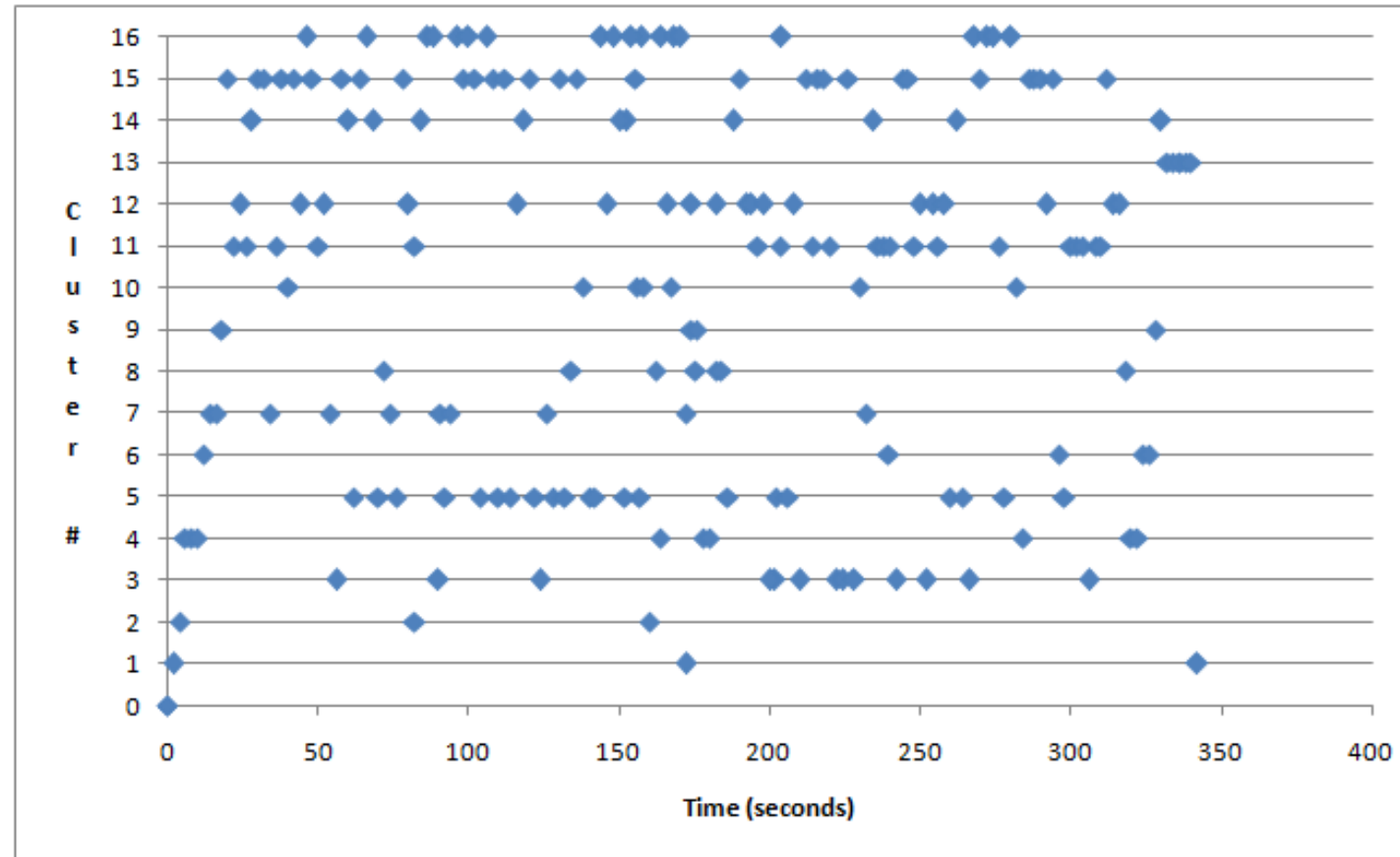


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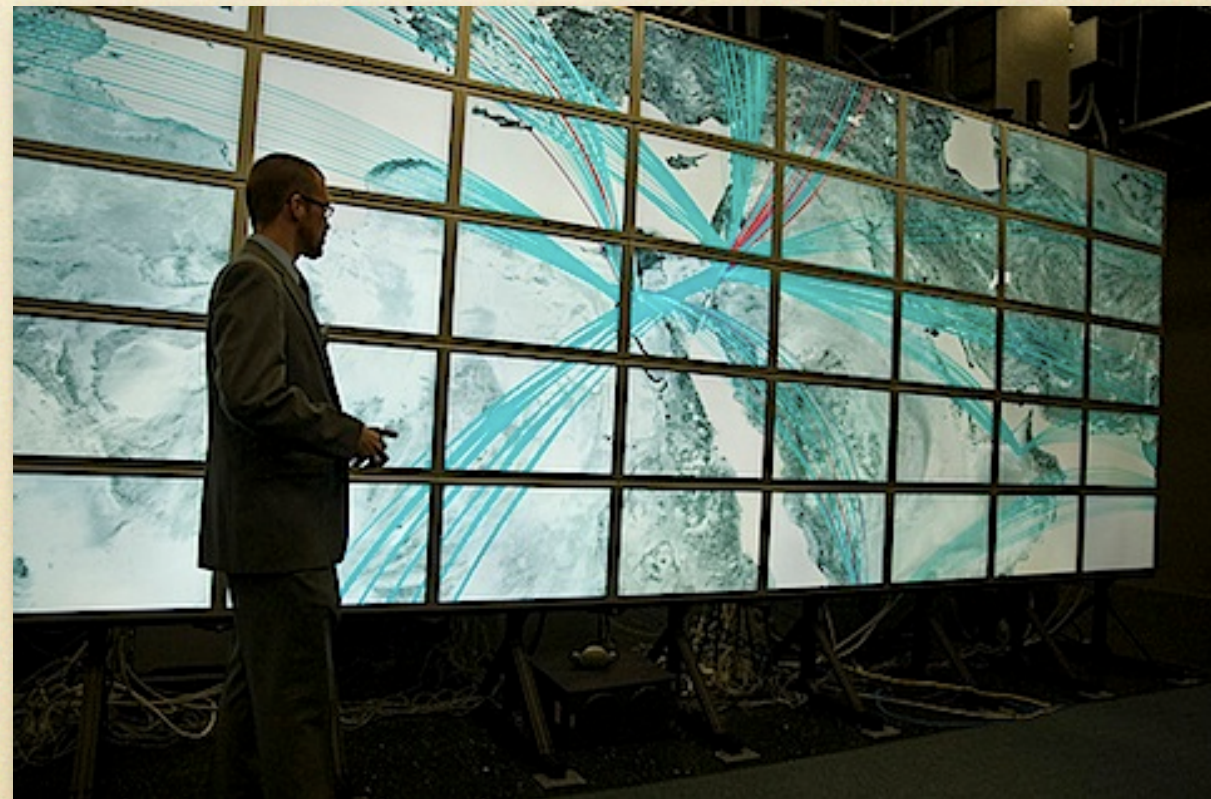
av.data.xml distance
av.data.xml distance
av.data.xml distance
av.data.xml distance
av.data.xml distance
distance: 1.03482
distance: 0.696016
distance: 1.19124
distance: 0.399493
distance: 0.825811
distance: 0.68463
distance: 0.798654
distance: 0.676535
l distance: 0.62035
l distance: 0.74309
distance: 0.618266
distance: 0.557689
ml distance: 0.4858
ml distance: 0.7464
ml distance: 0.4292
ml distance: 0.3020
ml distance: 0

```


Audio File Cluster Distribution



44	0.44319	0.339949	0.264376	0.322528	0.389752	0.275454	0.397034	0.485921	0.190317	0.473275	0.469558	0.359983	0.290679	0.515323	0.304708	0.442899
45	0.69393	0.66161	0.556157	0.670794	0.600351	0.535291	0.496693	0.45452	0.704676	0.369628	0.54795	0.56475	0.592102	0.576988	0.522817	0.370125
46	0.658367	0.62567	0.513108	0.651115	0.576293	0.518722	0.482647	0.446158	0.683465	0.375785	0.561919	0.538681	0.568631	0.584993	0.522447	0.355525
47	0.631792	0.492351	0.363392	0.516154	0.49857	0.42343	0.385846	0.42463	0.496465	0.362	0.536614	0.508084	0.449295	0.595928	0.4744	0.363236
48	0.589548	0.50466	0.380038	0.468973	0.48822	0.4109	0.348034	0.412735	0.492387	0.358403	0.490439	0.503929	0.447265	0.606464	0.406807	0.343348
49	0.589482	0.364794	0.306935	0.392877	0.425384	0.32075	0.318093	0.370272	0.305199	0.419851	0.459335	0.395349	0.360063	0.548538	0.368465	0.328049
50	0.710154	0.718471	0.61152	0.510153	0.492777	0.451165	0.380678	0.40697	0.511779	0.531399	0.395527	0.397603	0.418303	0.444235	0.416778	0.315723
51	0.621293	0.521218	0.426168	0.527539	0.588399	0.45821	0.374379	0.485013	0.506019	0.400342	0.543895	0.56404	0.489959	0.68818	0.428795	0.407874
52	0.491463	1.01248	0.814318	0.532398	0.521761	0.528933	0.347972	0.319392	0.740329	0.495873	0.372215	0.47892	0.52563	0.451593	0.311586	0.442472
53	0.369353	0.374009	0.282006	0.277867	0.304537	0.216381	0.361088	0.402845	0.206958	0.373266	0.390467	0.303931	0.270796	0.446536	0.289084	0.353629
54	0.373738	0.621215	0.470605	0.294883	0.299405	0.258421	0.29245	0.277634	0.397289	0.373806	0.259803	0.254828	0.279143	0.414546	0.235218	0.277002
55	0.476045	0.428652	0.361919	0.302809	0.410989	0.276405	0.325955	0.376812	0.278831	0.492571	0.421839	0.399586	0.318112	0.544648	0.271772	0.397966
56	0.340975	0.564547	0.437409	0.184687	0.299023	0.224296	0.349743	0.355193	0.323036	0.393435	0.297382	0.317942	0.246793	0.462873	0.19886	0.3485
57	0.502768	0.247539	0.207437	0.372528	0.399254	0.296871	0.341057	0.476654	0.191366	0.444807	0.478783	0.387004	0.333753	0.554752	0.384763	0.398121
58	0.570186	0.77398	0.67944	0.436907	0.483377	0.457363	0.537022	0.560934	0.540344	0.634325	0.417232	0.387768	0.351939	0.611664	0.416429	0.556096
59	0.59994	0.387686	0.304755	0.474823	0.490865	0.406007	0.36427	0.458812	0.381944	0.389375	0.581017	0.511271	0.424177	0.650853	0.478704	0.394417
60	0.457662	0.507369	0.37489	0.267792	0.309713	0.249926	0.315551	0.30635	0.290119	0.438647	0.269801	0.230336	0.227822	0.315483	0.265234	0.291132
61	0.479115	0.497378	0.396454	0.361194	0.398062	0.307123	0.337101	0.379882	0.339768	0.408394	0.397868	0.347822	0.312593	0.496552	0.328374	0.361961
62	0.573462	0.779051	0.684879	0.457986	0.482659	0.460444	0.50233	0.530596	0.572126	0.555056	0.411453	0.35596	0.40575	0.703976	0.418798	0.503202
63	0.616673	0.753575	0.67418	0.53676	0.539276	0.532409	0.483348	0.510252	0.714669	0.414383	0.487263	0.484502	0.532619	0.730691	0.442023	0.423702



High Performance Computing & Visual Computational Analysis

DIGGING INTO DATA

to Answer Authorship Related Questions

Digging into Data to Answer Authorship Related Questions seeks to explore authorship studies of visual arts through computational image analyses. Utilizing three datasets of visual works—15th-century manuscripts, 17th and 18th-century maps, and 19th and 21st-century quilts—to investigate what might be revealed about the authors and their artistic lineages by comparing manuscripts, maps, and quilts across four centuries, DID investigates the accuracy and computational scalability of adaptive image analyses when they are applied to diverse collections of image data.



Collaborating Sites

University of Sheffield, UK

University of Illinois at Urbana-Champaign, USA

Michigan State University, USA

Alliance of American Quilts, North Carolina, USA



Social Sciences and Humanities
Research Council of Canada

JISC

Conseil de recherches en
sciences humaines du Canada



Canada

DiD-ARQ

Project Overview

- Investigate the accuracy and computational scalability of adaptive image analyses applied to 3 collections of image data which are distinct but share a high factor of indeterminacy in terms of their predicated 'authorship'

Main Project Objectives

- Design image analysis algorithms that will extract salient image features; group together images based on similarity of these features; classify groups according to *a priori* knowledge; optimise algorithmic steps and parameters
- Apply the algorithms jointly developed across our 3 image collections
- Report accuracy and computational requirements over the 3 collections

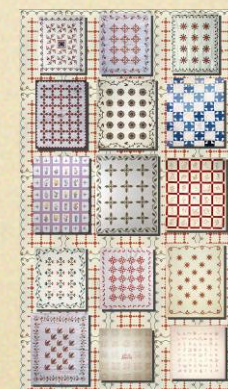
DiD-ARQ June 9-10, 2011



15th-century
Froissart
manuscripts



17th- and
18th-century
maps



19th- and
20th-century
quilts

File Window Languages Info

Expand

Hand, Zoom, Search, etc. icons

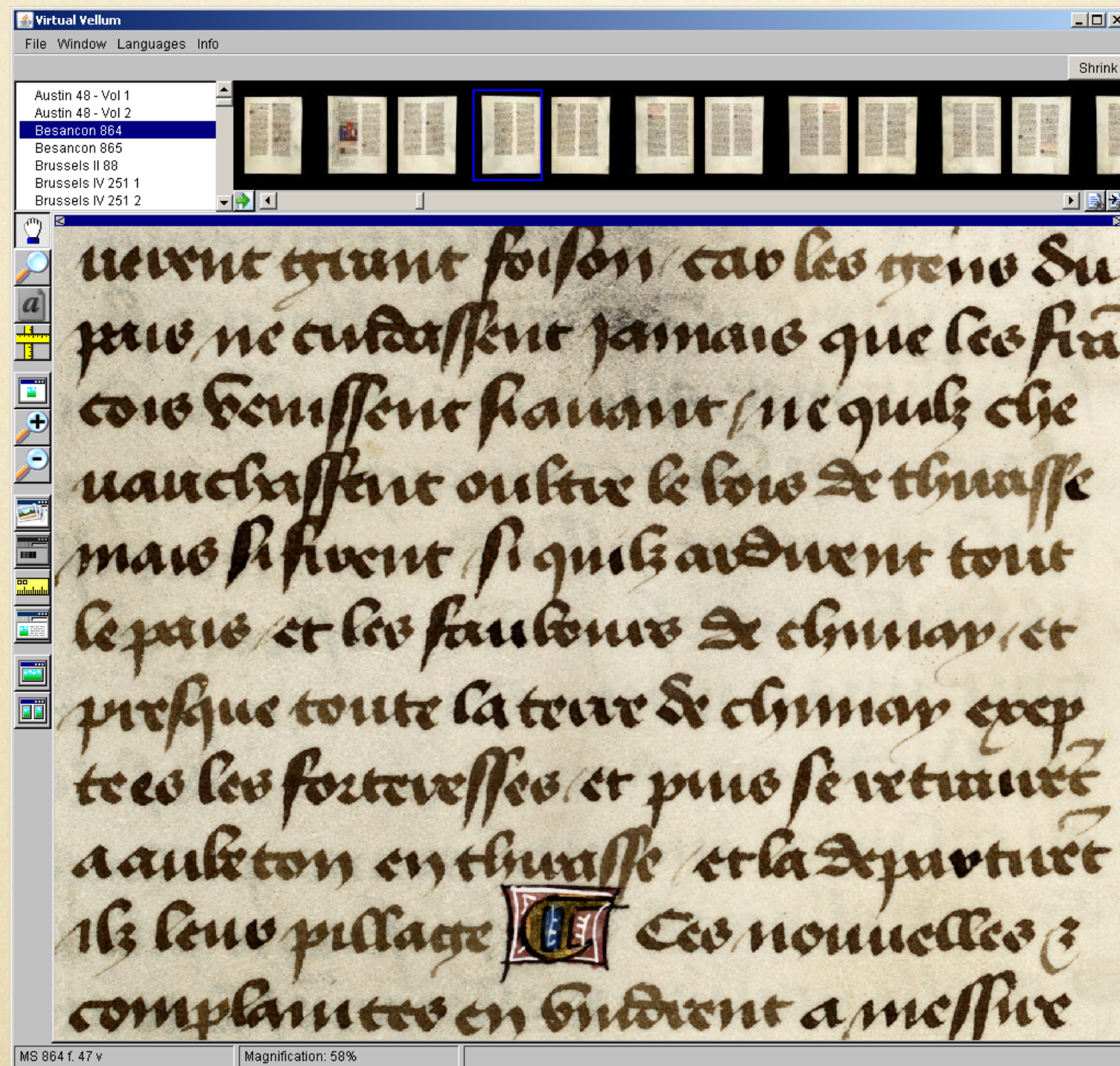
Des commentent les conques que fist sire jehan froissart lesquelz parier de nos
 uelles guerres de France d'Angleterre de France de Bretagne de le d'Amoy en
 fait mention de la guse pourquer elles sont fautes et les nens de fuisse qu'on eut ce le fuisse
 fin que hominoun
 ille que nules et no
 lles aventures fise
 en armes lesquelles
 sont auentures par
 les guerres de France
 et d'Angleterre soient noblement
 fuisse et mises en memoire perpetuel
 pourquer les premyers eussent deus
 encourager en bien faisant de vusl tra
 ner et recorder l'histoire et matiere de quel
 l'histoire la quelle sera deus en quel
 parties Mais aus que se la comence
 se requier au sangier de tout le monde

Des commentent les conques que fist sire jehan froissart lesquelz parier de nos
 uelles guerres de France d'Angleterre de France de Bretagne de le d'Amoy en
 fait mention de la guse pourquer elles sont fautes et les nens de fuisse qu'on eut ce le fuisse
 fin que hominoun
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 lles aventures fise
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 et d'Angleterre soient noblement
 fuisse et mises en memoire perpetuel
 pourquer les premyers eussent deus
 encourager en bien faisant de vusl tra
 ner et recorder l'histoire et matiere de quel
 l'histoire la quelle sera deus en quel
 parties Mais aus que se la comence
 se requier au sangier de tout le monde

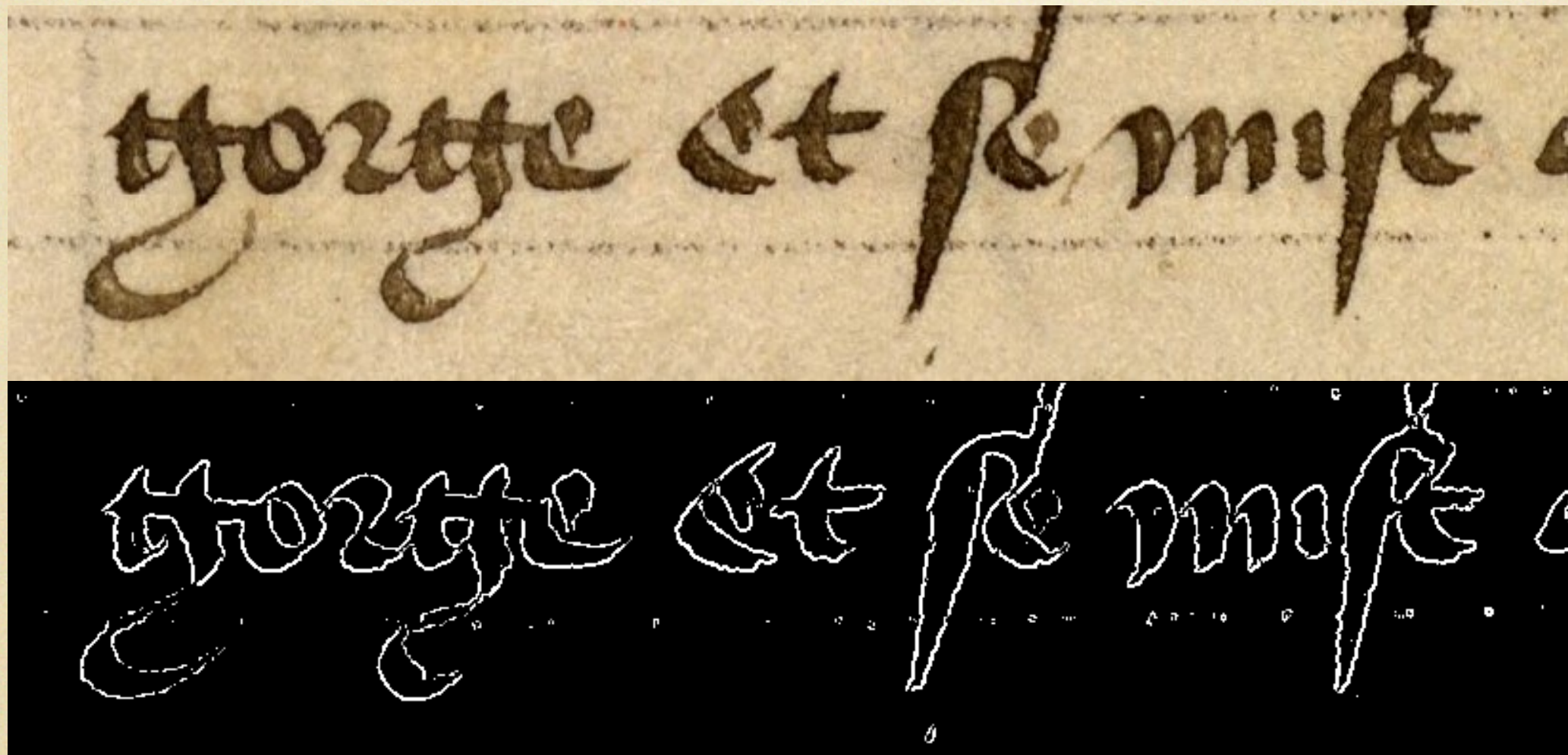
BnF 2663 - Fol. 6r Magnification: 17%

Berlin 9 Open Access Conference 2011

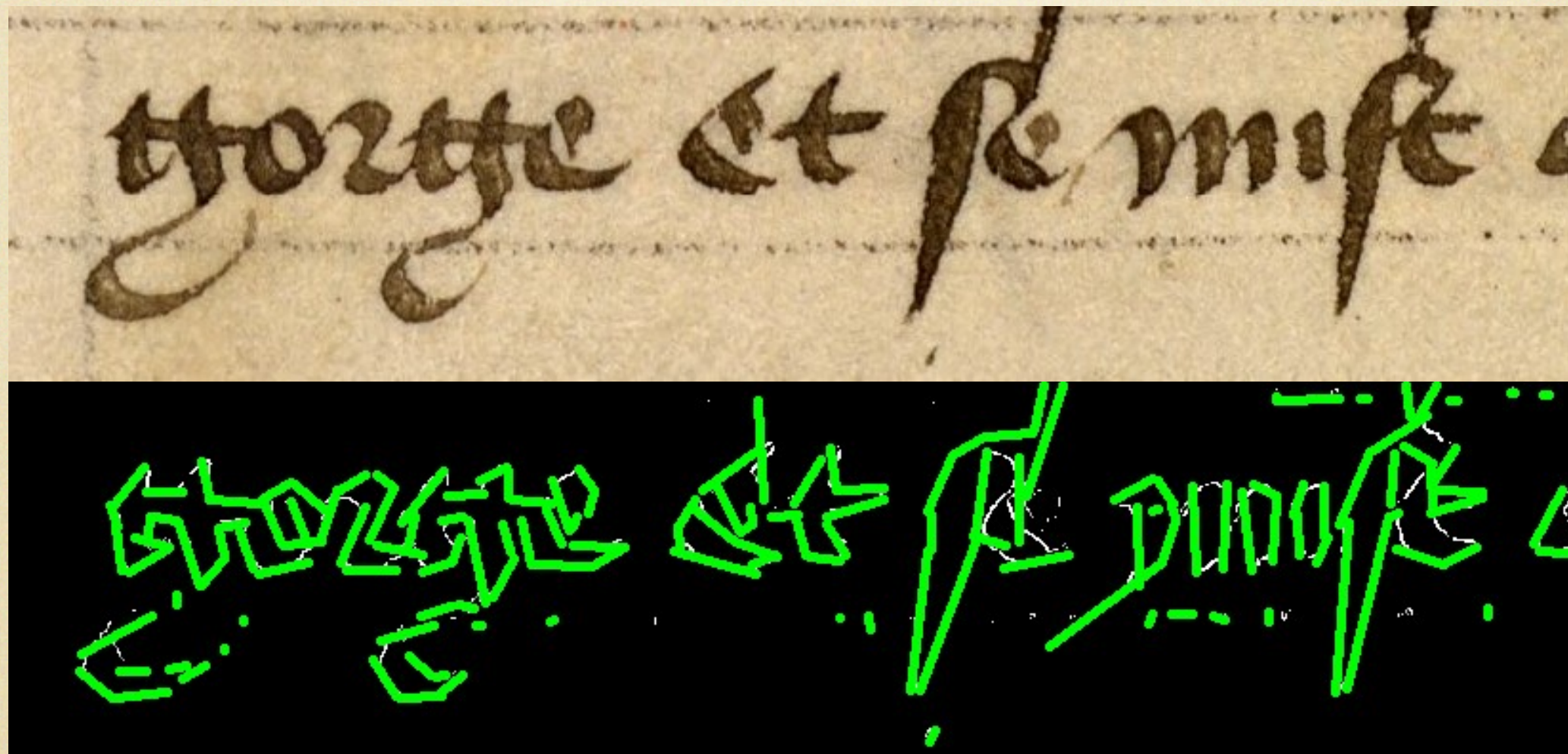
Froissart's Chronicles



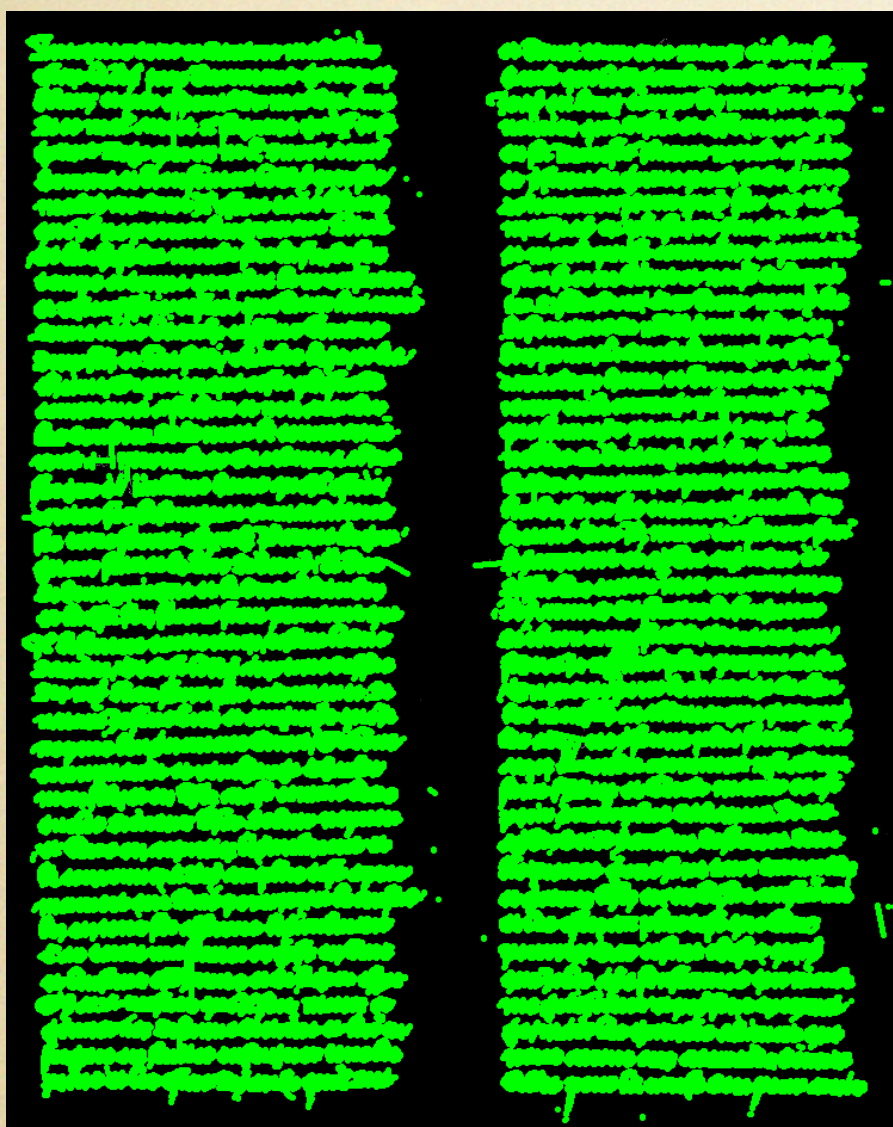
Extracting a Digital Fingerprint using Polygonal Models and Shape Recognition



Extracting a Digital Fingerprint using Polygonal Models and Shape Recognition



Extracting a Digital Fingerprint using Polygonal Models and Shape Recognition



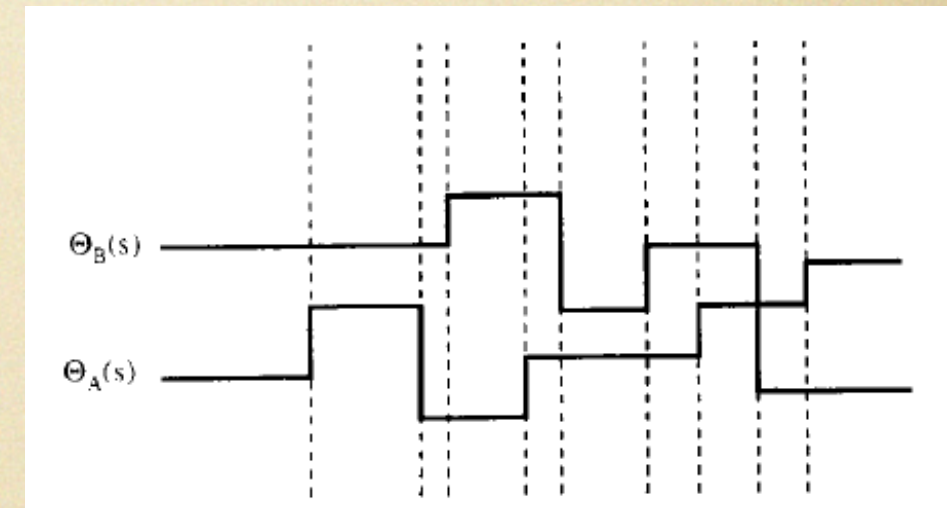
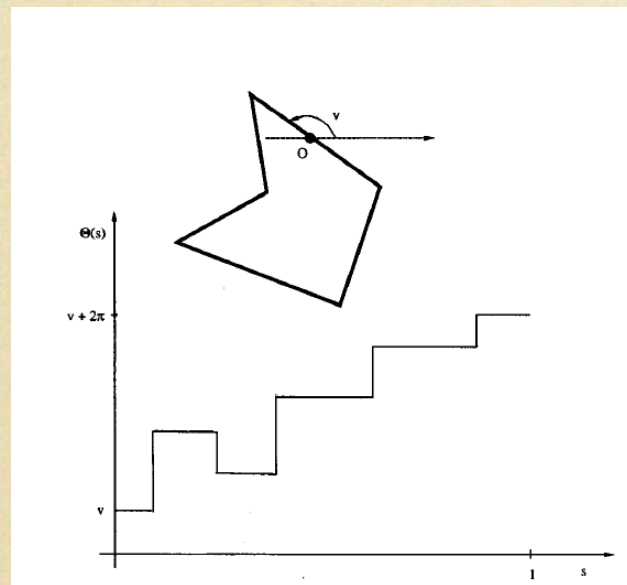
matrices sont Il e/lorc l'ave bleue
me Il ne pourroit l'onguement d'ave
de la chose du monde si ce l'fin de son
terme et l'ave qu'il l'ne se son l'ave
et de l'ave l'ave: ce l'ave que l'ave l'ave
sonne l'ave l'ave l'ave l'ave l'ave
deux filz et une fille l'ave l'ave l'ave l'ave
l'ave l'ave l'ave l'ave l'ave l'ave l'ave l'ave
l'ave l'ave l'ave l'ave l'ave l'ave l'ave l'ave
l'ave l'ave l'ave l'ave l'ave l'ave l'ave l'ave

Extracting a Digital Fingerprint using Polygonal Models and Shape Recognition

- 1) Apply Sobel edge detection to source image – from the Image2Learn library
- 2) Fit line segments to edge map data using EM algorithm – designed to run on multiple cores
- 3) **Apply shape recognition algorithms to polygonal models to identify similar letters, words, symbols and patterns**

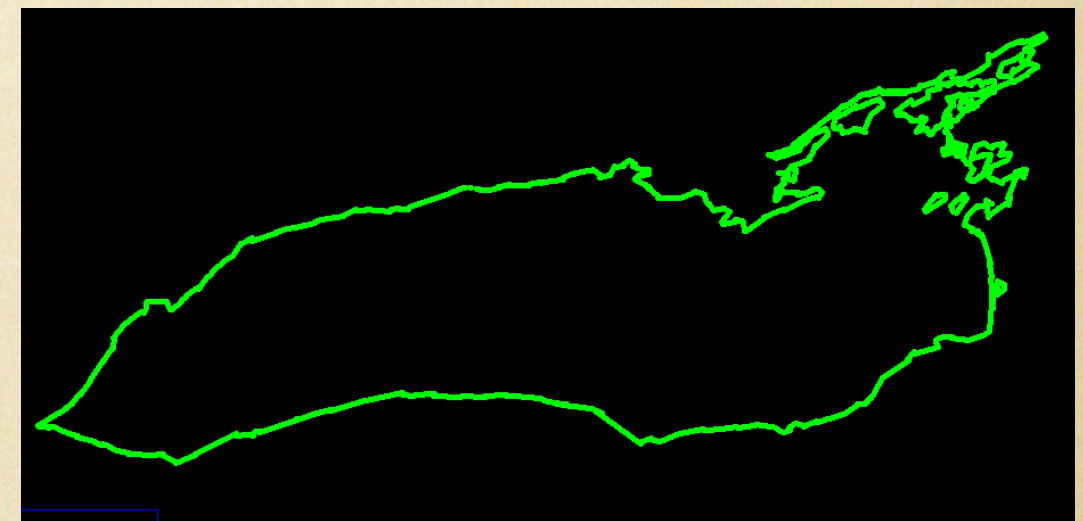
Turning Angle Function Comparison

- Comparison is invariant to scale, rotation and starting reference point
- Shape represented by a series of turning angles and lengths made between itself and previous segment
- Find the minimum distance between shapes by comparing their turning angle functions with respect to vertical and horizontal shifts (starting reference point and rotation respectively)



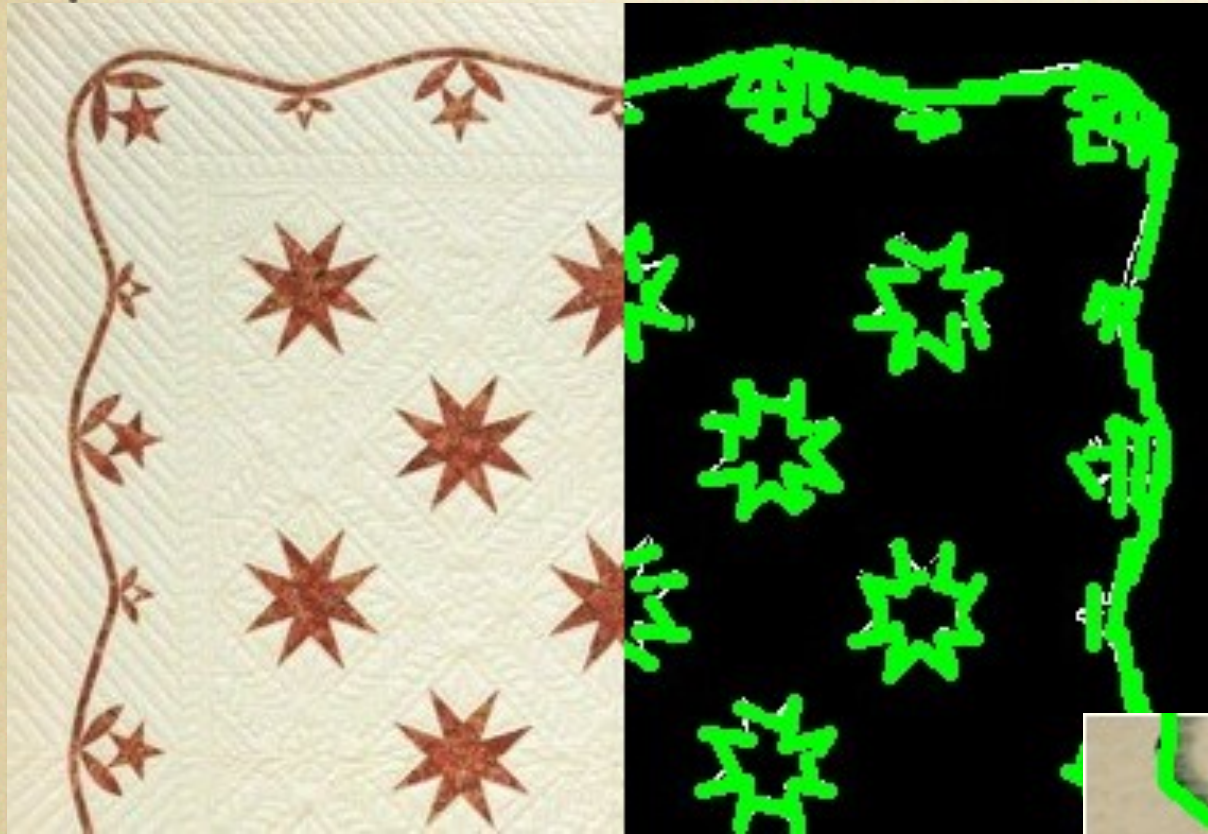
Illustrations from Arkin, E.M., Chew, L.P., Huttenlocher, D.P., Kedem, K., Mitchell, J.S.B., "An Efficiently Computable Metric for Comparing Polygonal Shapes," IEEE Transactions on Pattern Analysis and Machine Intelligence, vol. 13(3), 1991

Applying algorithms across the different collections



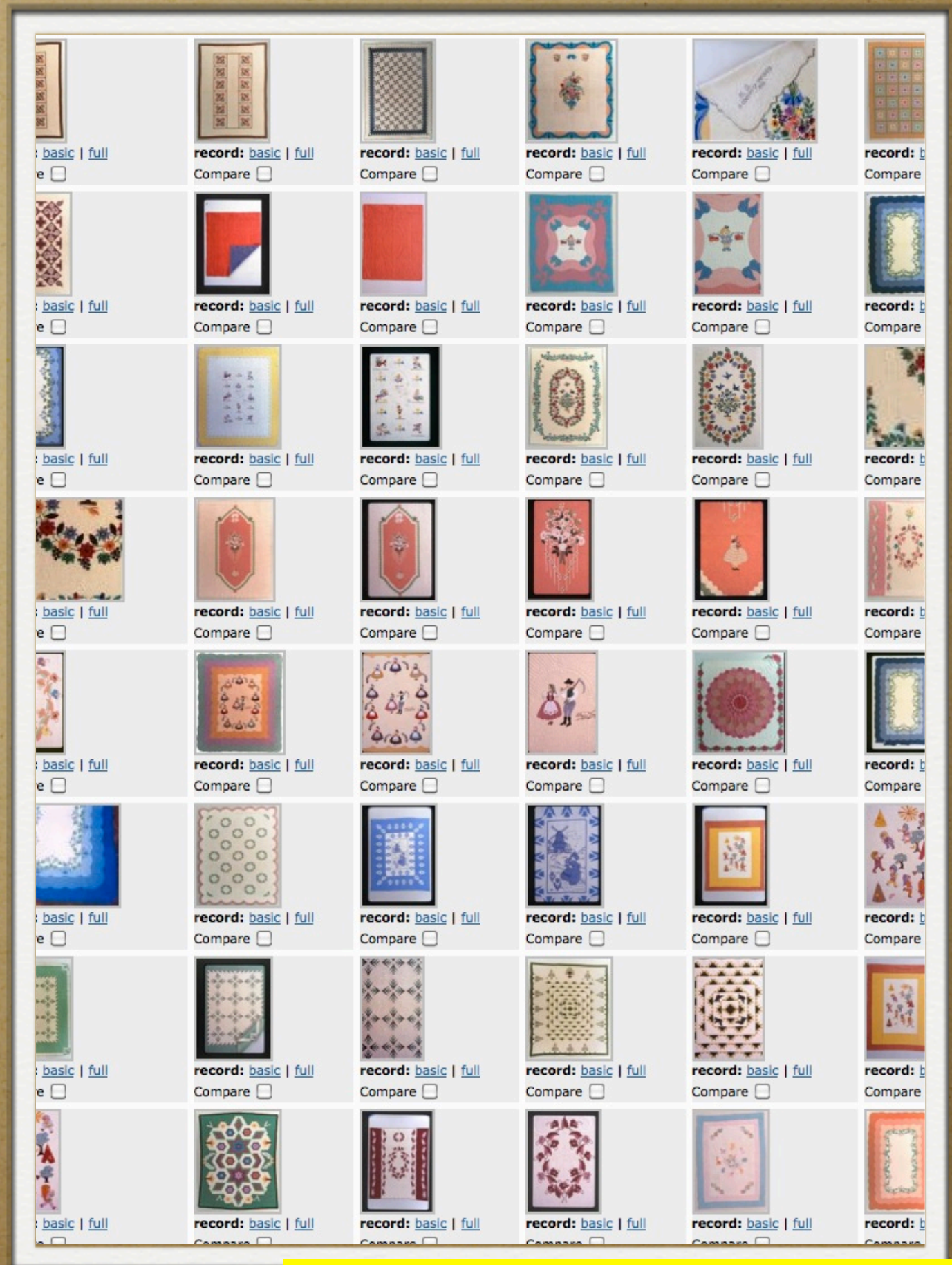
Polygon fitting

Applying algorithms across the different collections



Starting Points

75,000 Images



Starting Points Good Testbed Rich Documentation 129 Metadata Fields

Indiana Wreath - detail



Quilt Index Record: 48-70-81

a Essay Historical Background

description

Mary Gasperik made at least 4 Indiana Wreath quilts. It would seem that she picked this complicated and famous pattern precisely to demonstrate what a master quilter she was.

Administrative Fields

InstNameF003

Gasperik Collection

InstProjNameF003a

Mary Gasperik Private Collection

InstInvContrNumF004

011a

Information source fields

IdentPersonF006

Author/researcher
Blood relative of quiltmaker

SourceOtherF006a

Grand-daughter

InfoOtherF007d

Grand-daughter Susan Salser began this research effort in 1991, after she and her two sisters divided up the quilts which belonged to their mother (Elsie Gasperik Krueger) who died in 1988. Her ongoing research has been fruitful and interesting.

Overall Quilt Description

TypeObjF008

Finished quilt

QuiltTitleF009

Indiana Wreath - detail

OwnerNameF010

Indiana Wreath (Doris)

BrackmanF011a

80.22 and 80.23

OverallWidthF12a

73 inches

OverallLengthF012b

99 inches

ShapeEdgeF013

Straight

ShapeCornersF013b

Straight

PredomColorsF014

White

Challenges

Images not
standardized

Few color
calibrated

Metadata varies
in quality and
vocabulary



Authorship
Corporate
Community Based
Individual
Handcrafted
Machine-crafted

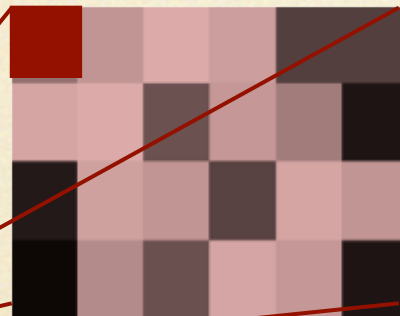
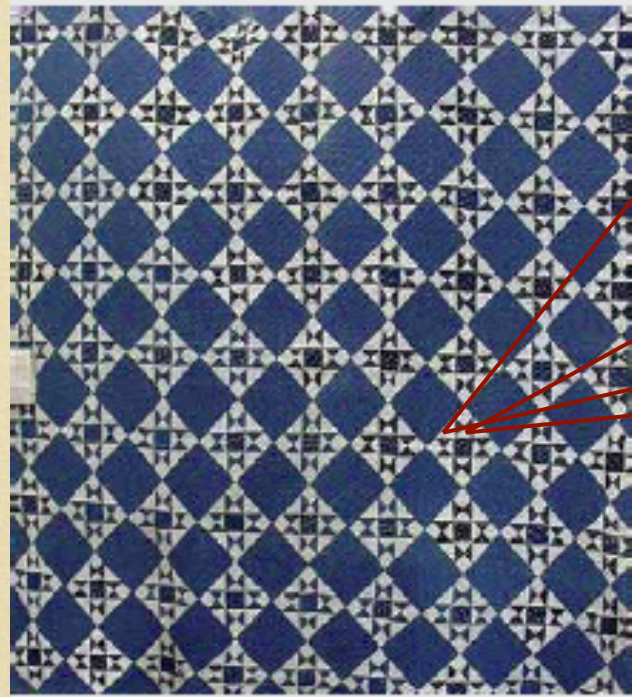


Indigo Quilts



Indigo Quilts

Convert image to HSL representation and look at it one pixel at a time



Current Ideal

→  vs  = .001233

↓
Repeat for entire picture, summing the differences for each pixel comparison

↓
Return the summed differences and associate with that quilt image

↗
Rank results based on values for quilts; smaller number means more like pure indigo

Crazy Quilts



Crazy Quilt

Segment the image into regions. The regions are not squares; below is for illustration only



Compare regions and merge if similar



VS



Feed signatures into Trained SVM Classifier

$\langle 1, 3.4, -10, 15, 4... \rangle$

Compute signature for quilt using regions as metrics. Assign this signature to the quilt.

SVM
Classifier

YES

Get Yes/No result from SVM

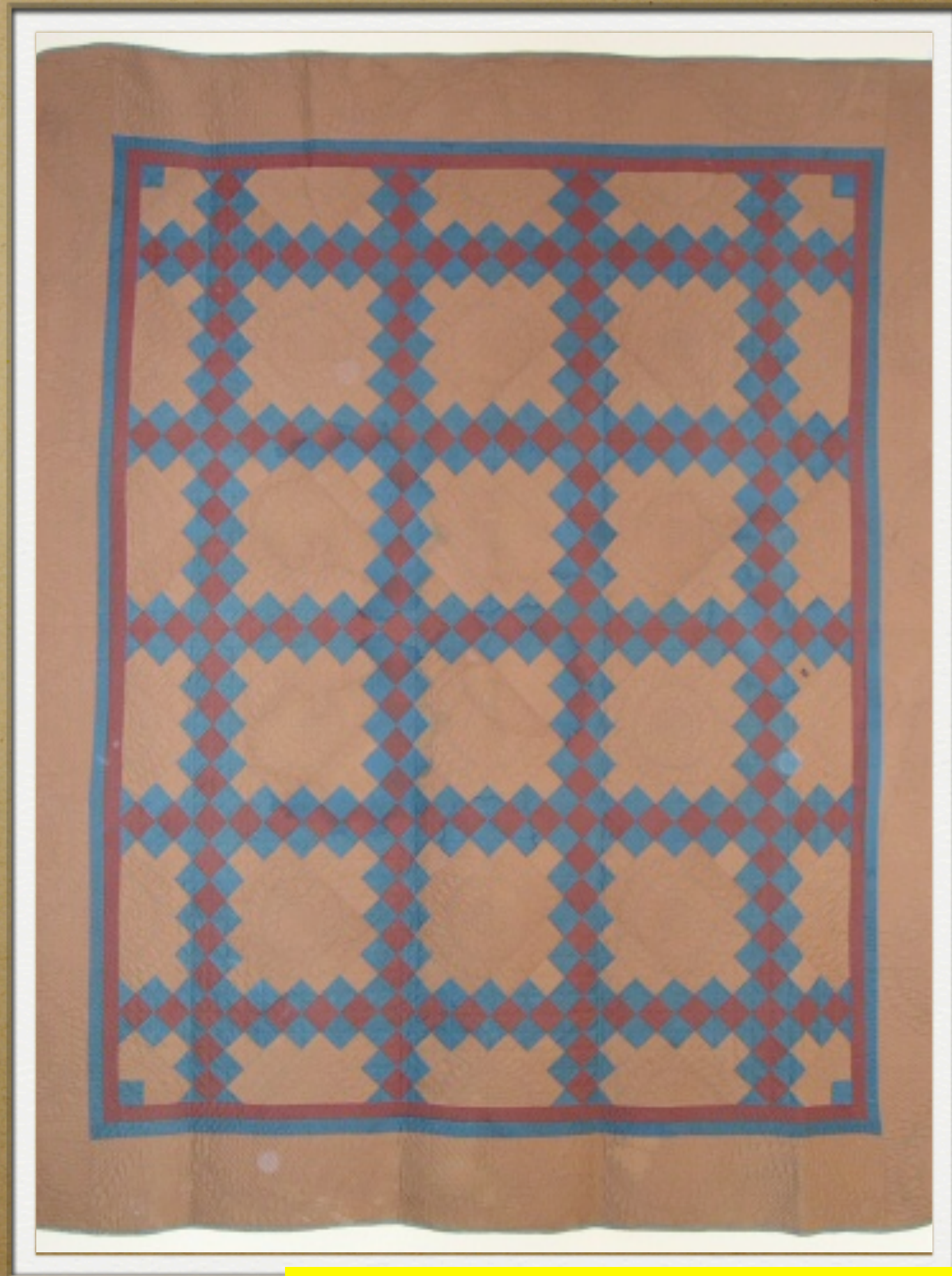
Amish Quilts



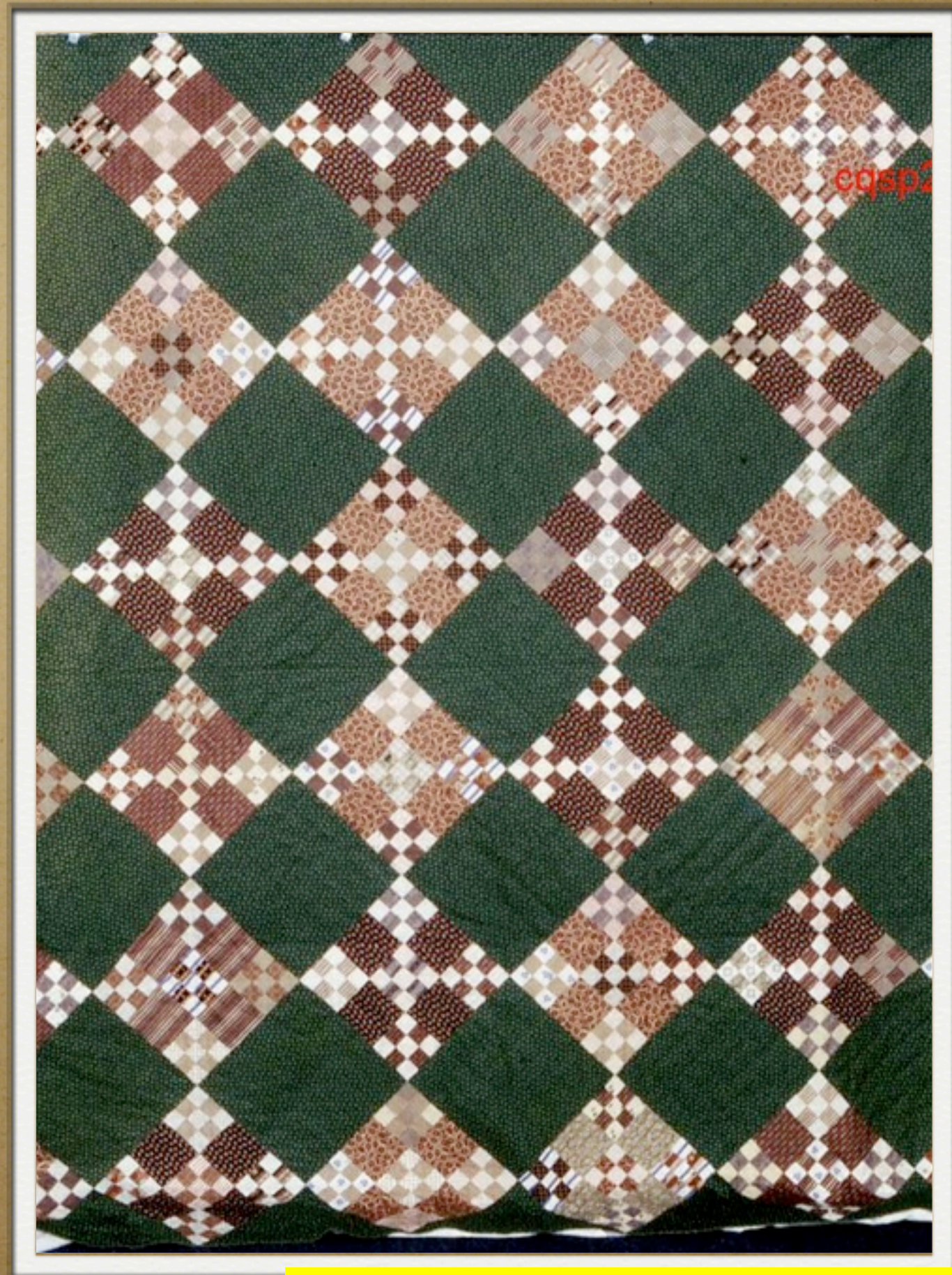
Amish Quilt
Nine Patch
c.1850



Amish Quilt
Chained Nine
Patch
1890



First
Steps
Amish Quilt
Nine Patch
Variation
c.1876-1900



Amish Quilt
Bear Paw
1910



Amish Quilts
Bear Paw
1910



Amish Quilt
Bear Paw
1900



Computational Analysis

- New User Interfaces
- Research Help (repetitive work)
- New Kinds of Studies

Interface Design

THE QUILT INDEX

Search Records

keyword/full-record

go

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f t

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Search Results

Your search produced **14** results displayed on **1** page.


Choose Display Method: Grid

Choose Sorting Method: Pattern(Z-A)


Uploaded Quilt

You have selected 0 quilt(s) to compare


[\[Select All\]](#) | [\[Clear All\]](#)




record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
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record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐



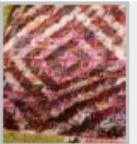
record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
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record: [basic](#) | [full](#)
Compare ☐



record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐




record: [basic](#) | [full](#)
Compare ☐

You have selected 0 quilt(s) to compare


[\[Select All\]](#) | [\[Clear All\]](#)




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MATRIX
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MICHIGAN STATE UNIVERSITY



THE ALLIANCE FOR
AMERICAN QUILTS

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Berlin 9 Open Access Conference 2011

Interface Design



Interview with Francis A. Roberts III, October 27, 2004

1:42:07

Community Colleges of Kentucky Oral History Project: Lexington Community College
Louie B. Nunn Center for Oral History
University of Kentucky



[return to full interview](#) | [download current audio segment](#)

0:00

ADAMS: Test. Test. This is an oral history interview with, uh, Francis Arthur Roberts III for the **Lexington** Community College Fortieth Anniversary Oral History Project. The interview is being conducted by John Adams on October the twenty-seventh 2004 and we are currently located in the Oswald Building. The first question, just for the record, uh, I would like to know if you could to state your full name please.

ROBERTS: Sure. Um, I'm Francis Arthur Roberts III and for the III, uh, I have a nickname: it's Tri and I go by Tri as--as a name--

ADAMS: --okay. So throughout the interview you would prefer that I would call you Tri, that's how most people know you?--

ROBERTS: --yes. Yes.

ADAMS: Okay. Um, just for a little history background, uh, when and where were you born?

1:00

ROBERTS: Okay, um, I was born January 17 1950 in **Lexington**, Kentucky. So I'm a hometown boy. They're hard to find nowadays. Um, and as a matter of fact I was born in the Good Samaritan Hospital, um, which was its original location: which the current location--the current hospital is not on the original location but I was born at Good Samaritan Hospital here in **Lexington**.

ADAMS: What school did you attend?

ROBERTS: Uh, all the way through?

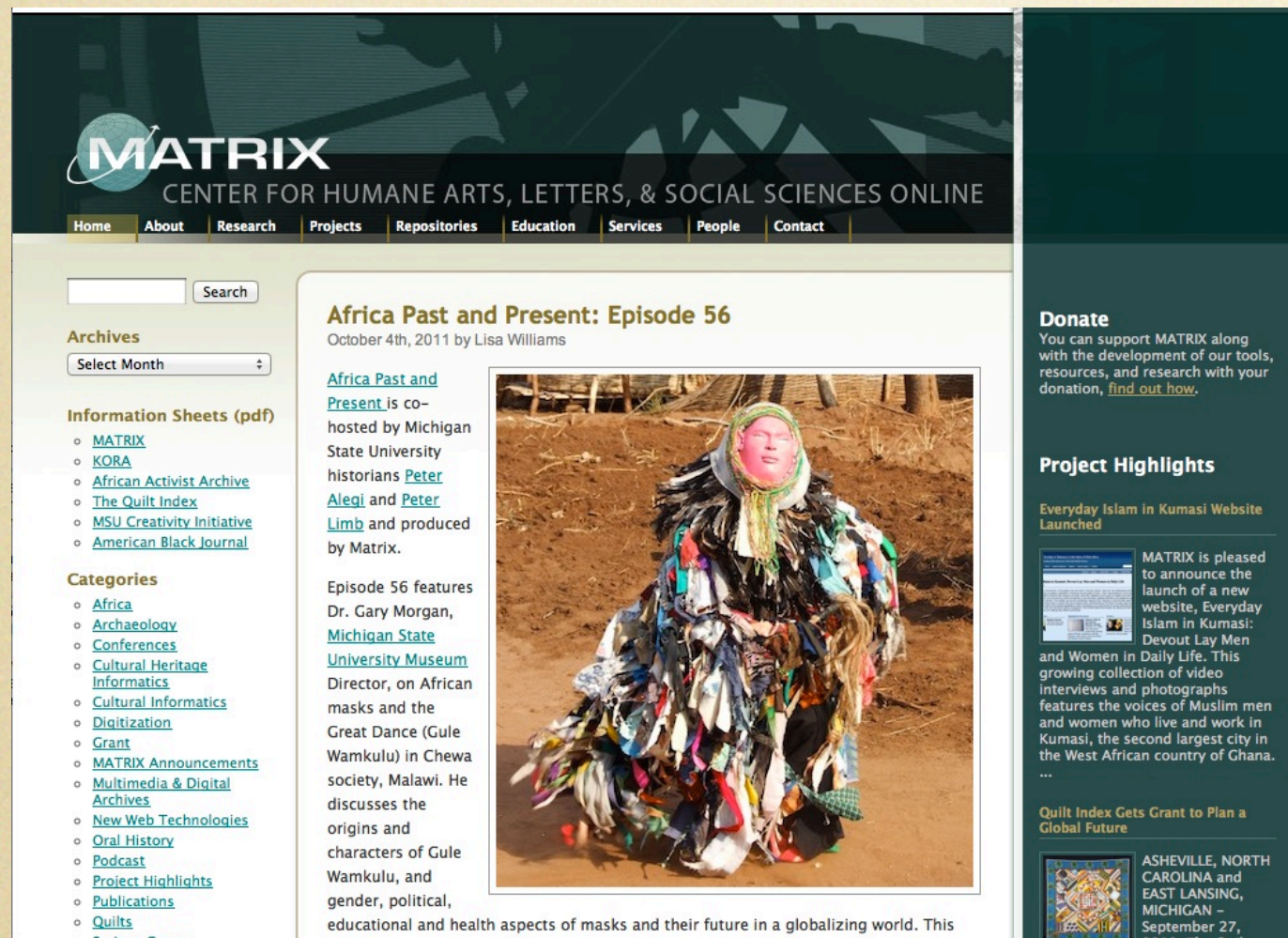
ADAMS: Elementary and--yeah all the way through--

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the **Lexington** Community College Fortieth in **Lexington**, Kentucky. So I'm a hometown in **Lexington**.
from **Lexington**. Uh, my dad- -my mother in **Lexington**'s history actually. Um, I **Lexington** that we were supposed to go from **Lexington**. Um, and he--his dad was from **Lexington**. She graduated from downtown **Lexington**. Um, and then they met, got from **Lexington**.
from **Lexington**. Actually she was born and LTI, **Lexington** Technical Institute. It was student; **Lexington** Technical Institute really a **Lexington** Technical Institute of **Lexington** Technical of **Lexington** down? Or has not given the **Lexington** Community College from becoming **Lexington** Community from **Lexington** Technical Institute to to **Lexington** Community College, in your of **Lexington** Community

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