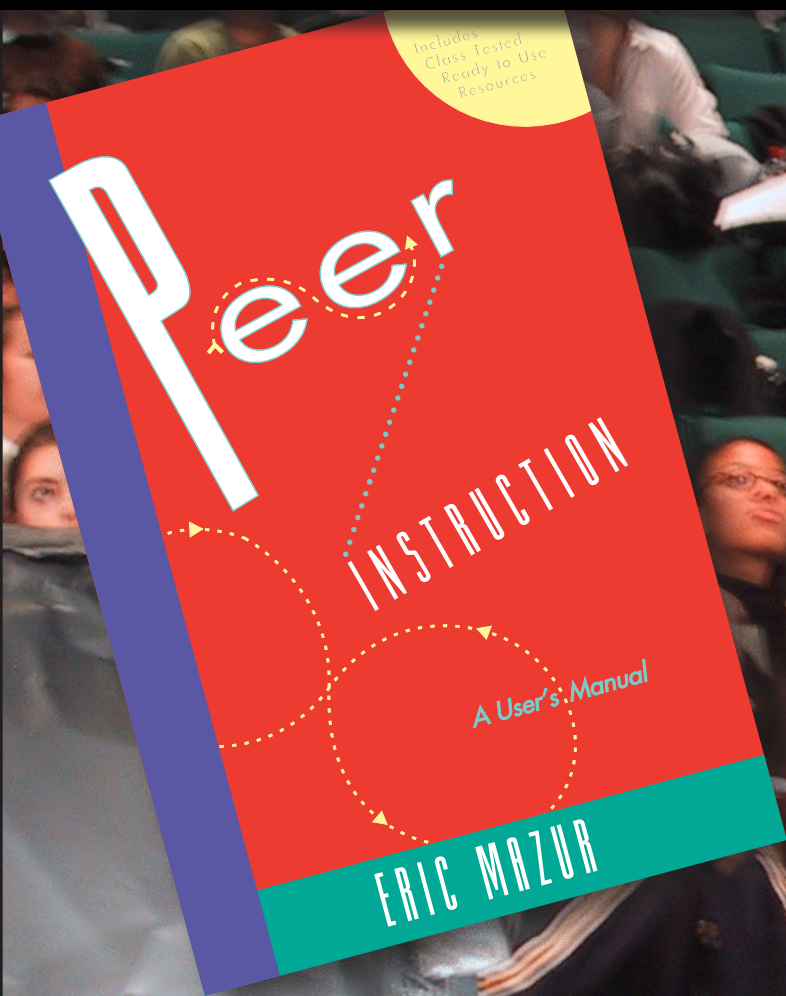


The Peer Instruction Story



COPI2012
Beijing Normal University
Beijing, China, 15 December 2012



Serendipity

Outline

- PI Time Line

- Present

- Future



PI Time Line

Teaching @ harvard

Sep 1984



1984

1985

1986

1987

1988

1989

PI Time Line

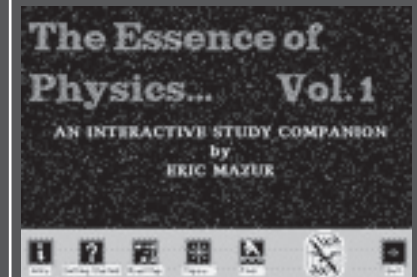
Teaching @ harvard

Sep 1984



Essence

Dec 1988



1984

1985

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PI Time Line

1990

FCI
Sep 1990

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PI Time Line

FCI
Sep 1990

Peer Instruction

Sep 1991



1990

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PI Time Line

Peer Instruction

Sep 1991



FCI

Sep 1990

NSF CCLI

Dec 1991



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1992

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PI Time Line

Peer Instruction

Sep 1991



FCI

Sep 1990

NSF CCLI

Dec 1991



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PI Time Line

FCI
Sep 1990

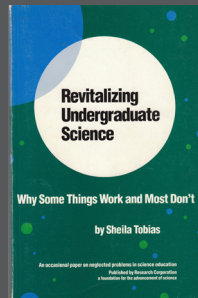
Peer Instruction
Sep 1991



NSF CCLI
Dec 1991



Tobias
May 1992



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PI Time Line

FCI
Sep 1990

Peer Instruction

Sep 1991

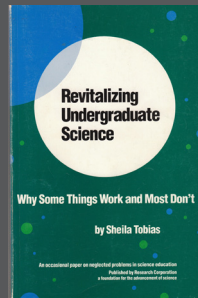


NSF CCLI
Dec 1991



Tobias

May 1992



NSF

June 1992



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PI Time Line

FCI

Sep 1990

Peer Instruction

Sep 1991



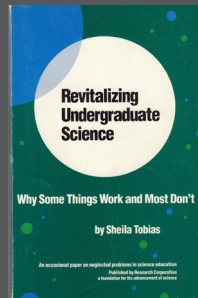
NSF CCLI

Dec 1991



Tobias

May 1992



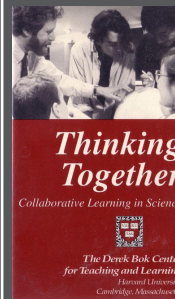
NSF

June 1992



Video

Sep 1992



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PI Time Line

FCI

Sep 1990

Peer Instruction

Sep 1991



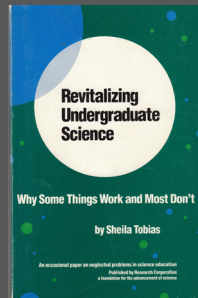
NSF CCLI

Dec 1991



Tobias

May 1992



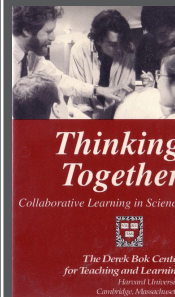
NSF

June 1992



Video

Sep 1992



RPI

May 1993



1990

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PI Time Line

1990

FCI
Sep 1990

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Peer Instruction

Sep 1991



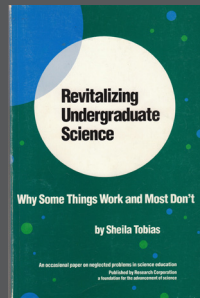
NSF CCLI
Dec 1991



1992

Tobias

May 1992



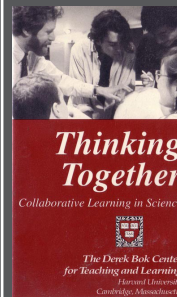
NSF

June 1992



Video

Sep 1992



1993

RPI

May 1993



ClassTalk

Sep 1993



1994

1995

PI Time Line

FCI
Sep 1990

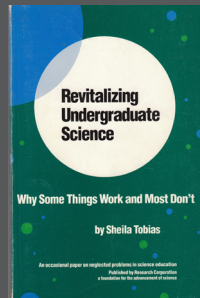
Peer Instruction
Sep 1991



NSF CCLI
Dec 1991



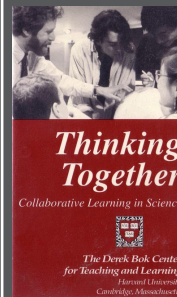
Tobias
May 1992



NSF
June 1992



Video
Sep 1992



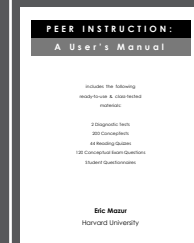
RPI
May 1993



ClassTalk
Sep 1993



Manual
Mar 1994



1990

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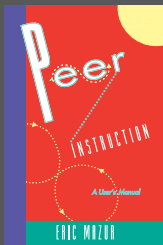
1994

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PI Time Line

PI Manual

May 1996



1996

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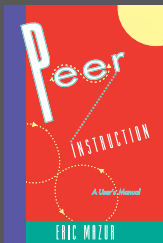
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2001

PI Time Line

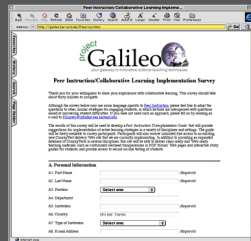
PI Manual

May 1996



Project Galileo

May 1997



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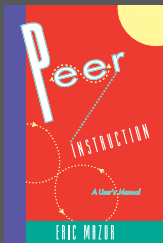
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PI Time Line

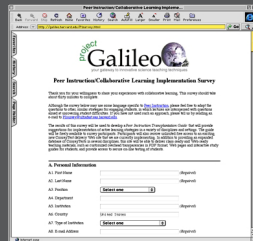
PI Manual

May 1996



Project Galileo

May 1997



AAPT NFW

Oct 1997

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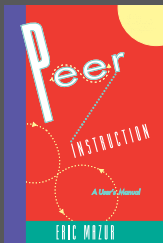
2000

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PI Time Line

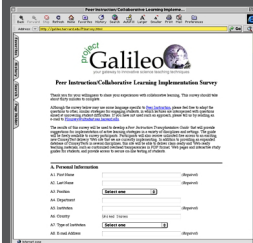
PI Manual

May 1996



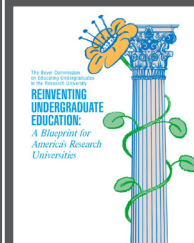
Project Galileo

May 1997



Boyer Report

Apr 1998



AAPT NFW

Oct 1997

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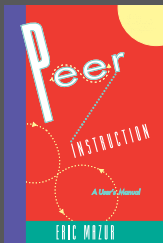
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PI Time Line

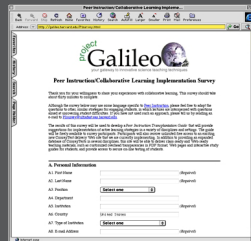
PI Manual

May 1996



Project Galileo

May 1997



Boyer Report

Apr 1998



PRS

Sep 1999



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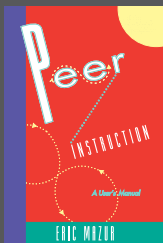
AAPT NFW

Oct 1997

PI Time Line

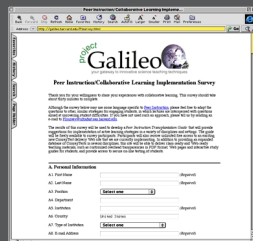
PI Manual

May 1996



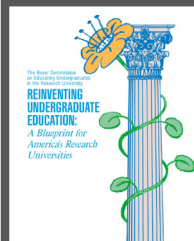
Project Galileo

May 1997



Boyer Report

Apr 1998



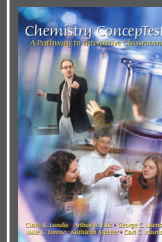
PRS

Sep 1999



Chemistry

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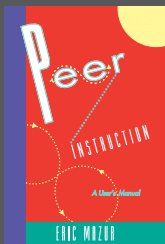
AAPT NFW

Oct 1997

PI Time Line

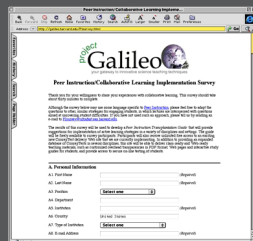
PI Manual

May 1996



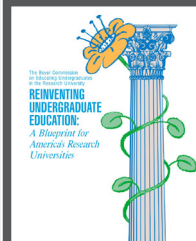
Project Galileo

May 1997



Boyer Report

Apr 1998



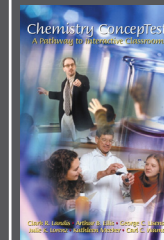
PRS

Sep 1999



Chemistry

2000



AAPT NFW

Oct 1997

PI survey

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PI Time Line

DTS Award

Nov 2001

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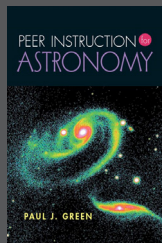
PI Time Line

DTS Award

Nov 2001

Astronomy

2002



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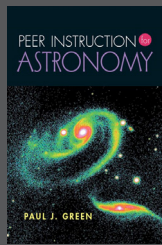
PI Time Line

DTS Award

Nov 2001

Astronomy

2002



DVD proposal

Mar 2002



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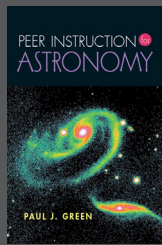
PI Time Line

DTS Award

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Astronomy

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DVD proposal

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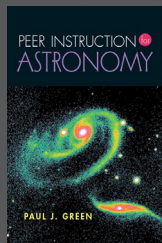
PI Time Line

DTS Award

Nov 2001

Astronomy

2002



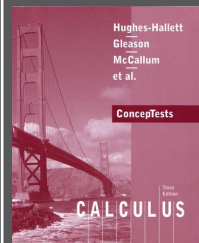
DVD proposal

Mar 2002



Calculus

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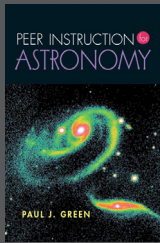
PI Time Line

DTS Award

Nov 2001

Astronomy

2002



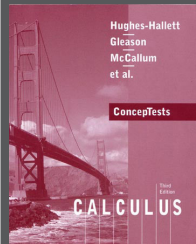
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Mar 2002



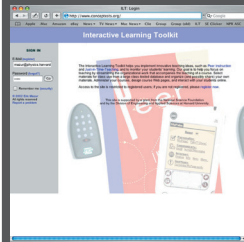
Calculus

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ILT

May 2003



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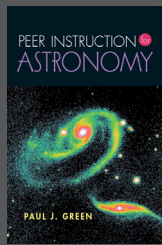
PI Time Line

DTS Award

Nov 2001

Astronomy

2002



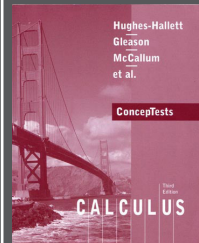
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Mar 2002



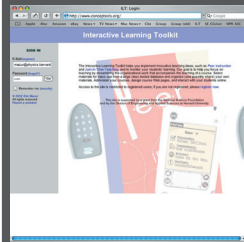
Calculus

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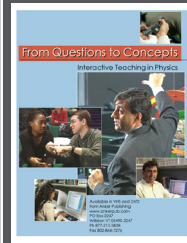
ILT

May 2003



Documentary

May 2004



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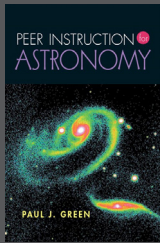
PI Time Line

DTS Award

Nov 2001

Astronomy

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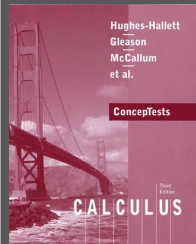
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Mar 2002



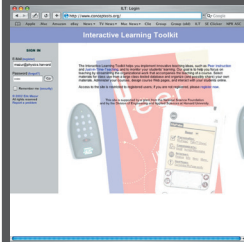
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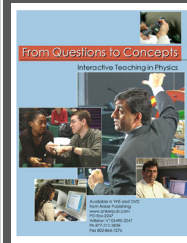
ILT

May 2003



Documentary

May 2004



Wireless devices

Jan 2005



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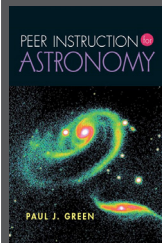
PI Time Line

DTS Award

Nov 2001

Astronomy

2002



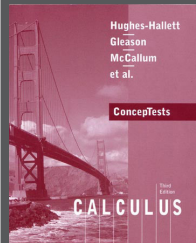
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Mar 2002



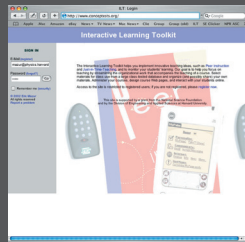
Calculus

2003



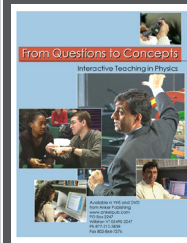
ILT

May 2003



Documentary

May 2004



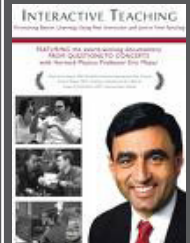
Wireless devices

Jan 2005



DVD

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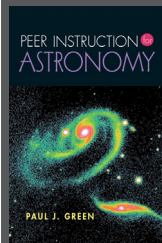
PI Time Line

DTS Award

Nov 2001

Astronomy

2002



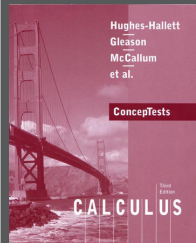
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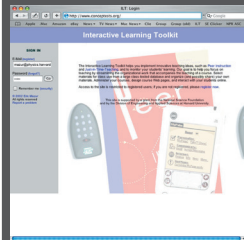
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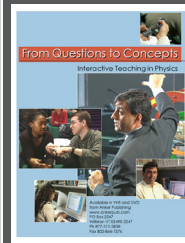
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Documentary

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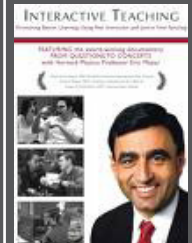
Wireless devices

Jan 2005



DVD

Nov 2006



2x NFW

June 2007

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PI Time Line

Chinese translation

March 2009



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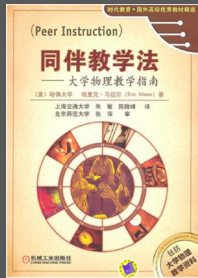
2013

2014

PI Time Line

Chinese translation

March 2009



Talk online

November 2009



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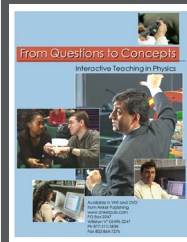
PI Time Line

Chinese translation

March 2009



Additional Translations



Talk online

November 2009



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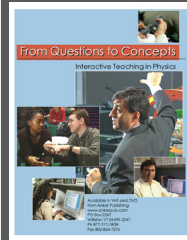
PI Time Line

Chinese translation

March 2009



Additional Translations



Talk online

November 2009



Learning Catalytics

June 2011



2009

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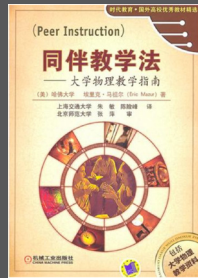
2013

2014

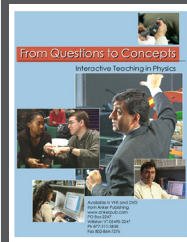
PI Time Line

Chinese translation

March 2009



Additional Translations



PI Network

June 2012



Talk online

November 2009



Learning Catalytics

June 2011



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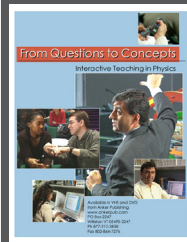
PI Time Line

Chinese translation

March 2009



Additional Translations



PI Network

June 2012



Talk online

November 2009



Learning Catalytics

June 2011



COPI2012

Dec 2012



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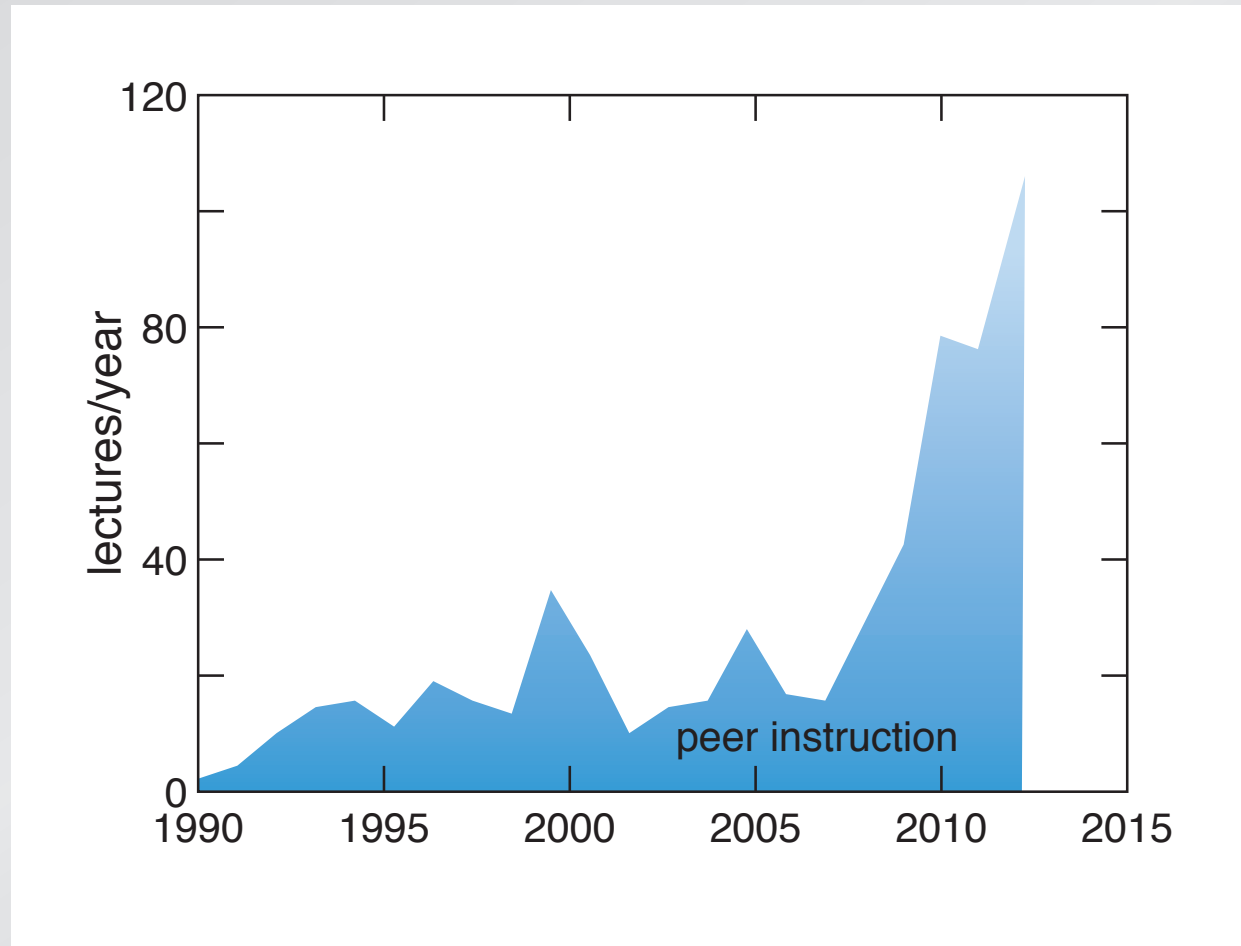
2012

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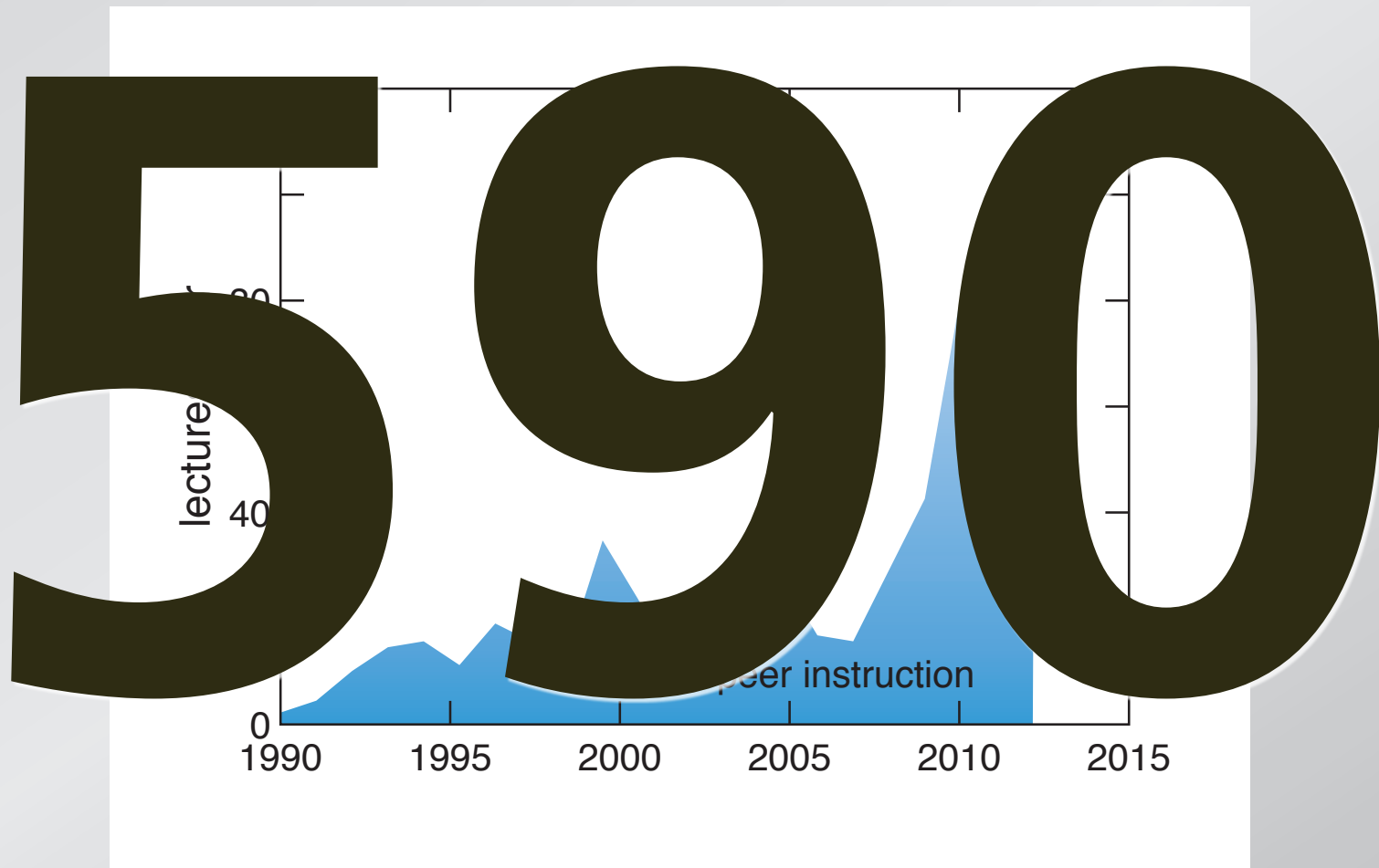
Dissemination

lecturing



Dissemination

lecturing



Dissemination



0:02:34 / 1:20:09

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80,442

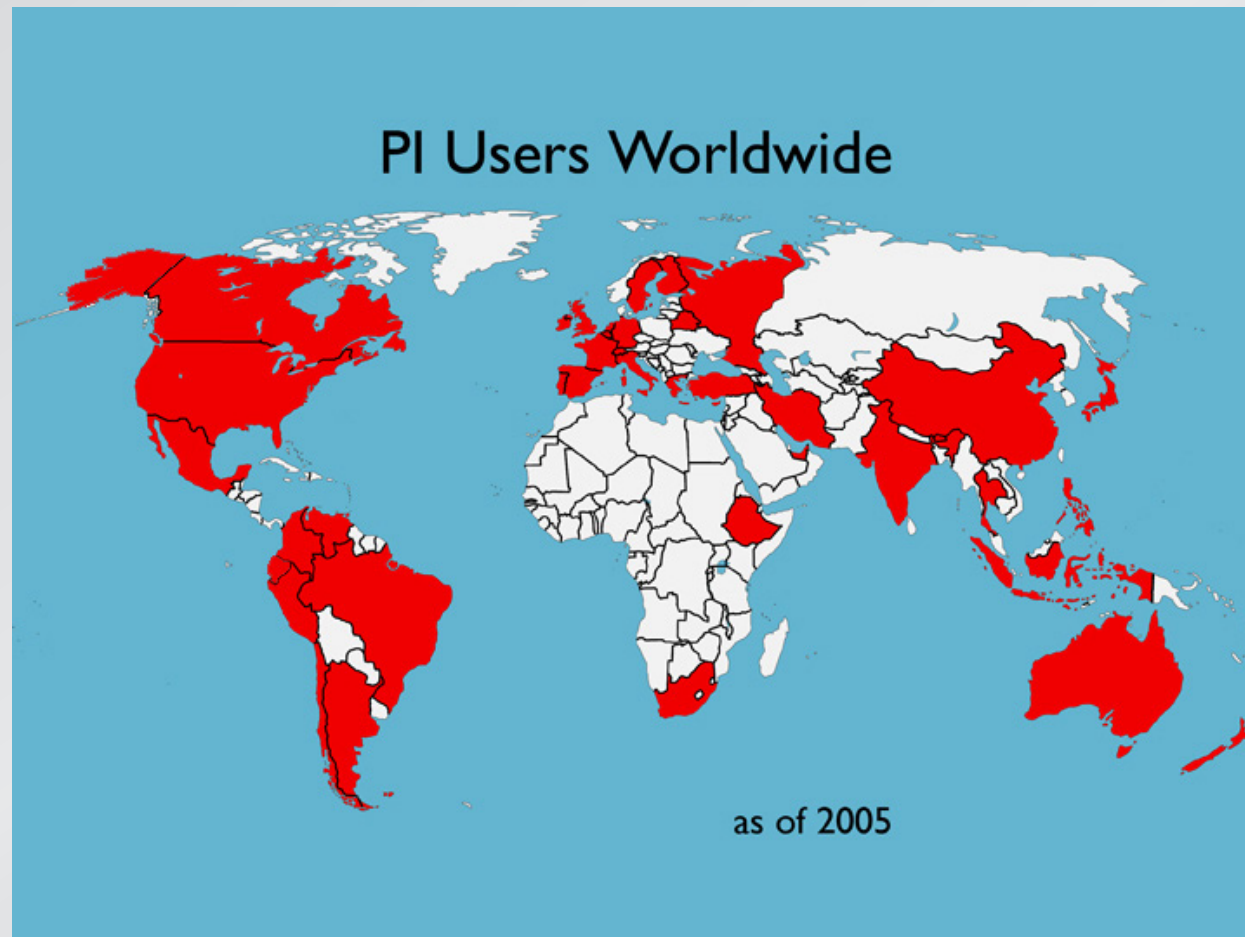
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Eric Mazur: "I thought I was a good teacher until I discovered my students"

162 likes, 1 dislikes

Dissemination

geographic spreading



Dissemination

lectures focus on information transfer
not transfer but assimilation of information is key

A large lecture hall with a professor at the front and students seated at desks. The professor is standing at a podium, facing the audience. The students are seated at long tables, many with papers and laptops. The room has a curved wall and a large screen at the front. The lighting is dim, with the main light source being the projector screen and the podium.

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THANK YOU

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谢谢

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