

## Diffusion

relationships among people and objects that cross the barrier of space

#### Assimilation

 a group's cultural features are altered to resemble this of another group

#### Acculturation

- changes in culture that result from the meeting of two groups
- two groups retain two distinct culture features

#### Syncretism

- combination of elements of two group into a new cultural feature.
- merge to form a new culture



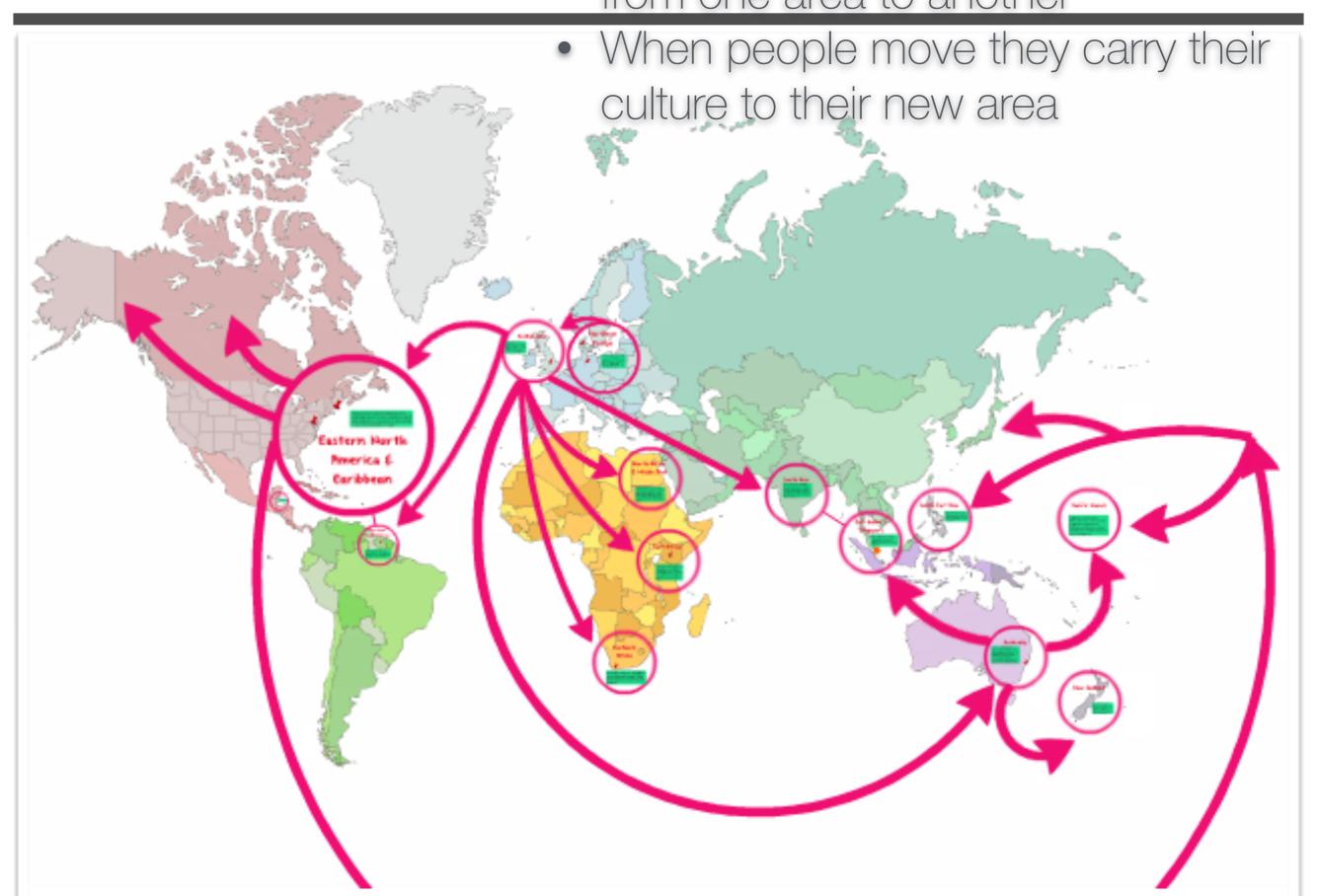
process by which a feature spreads across space from one place to another over time.

Hearth - the place where the innovation originates

# Where did Hip Hop start? Where was the first case of AIDS discovered? How did the English Language spread over the world?

## Relocation Diffusion

The physical movement of an idea from one area to another



# Expansion Diffusion

#### **Hierarchial Diffusion**

- spread of an idea from persons or nodes of authority or power to other persons or places.
- -innovations originate in a node (large urban center) and diffuse to the periphery (Hip-Hop)
- Technology enhances internet, twitter, etc.

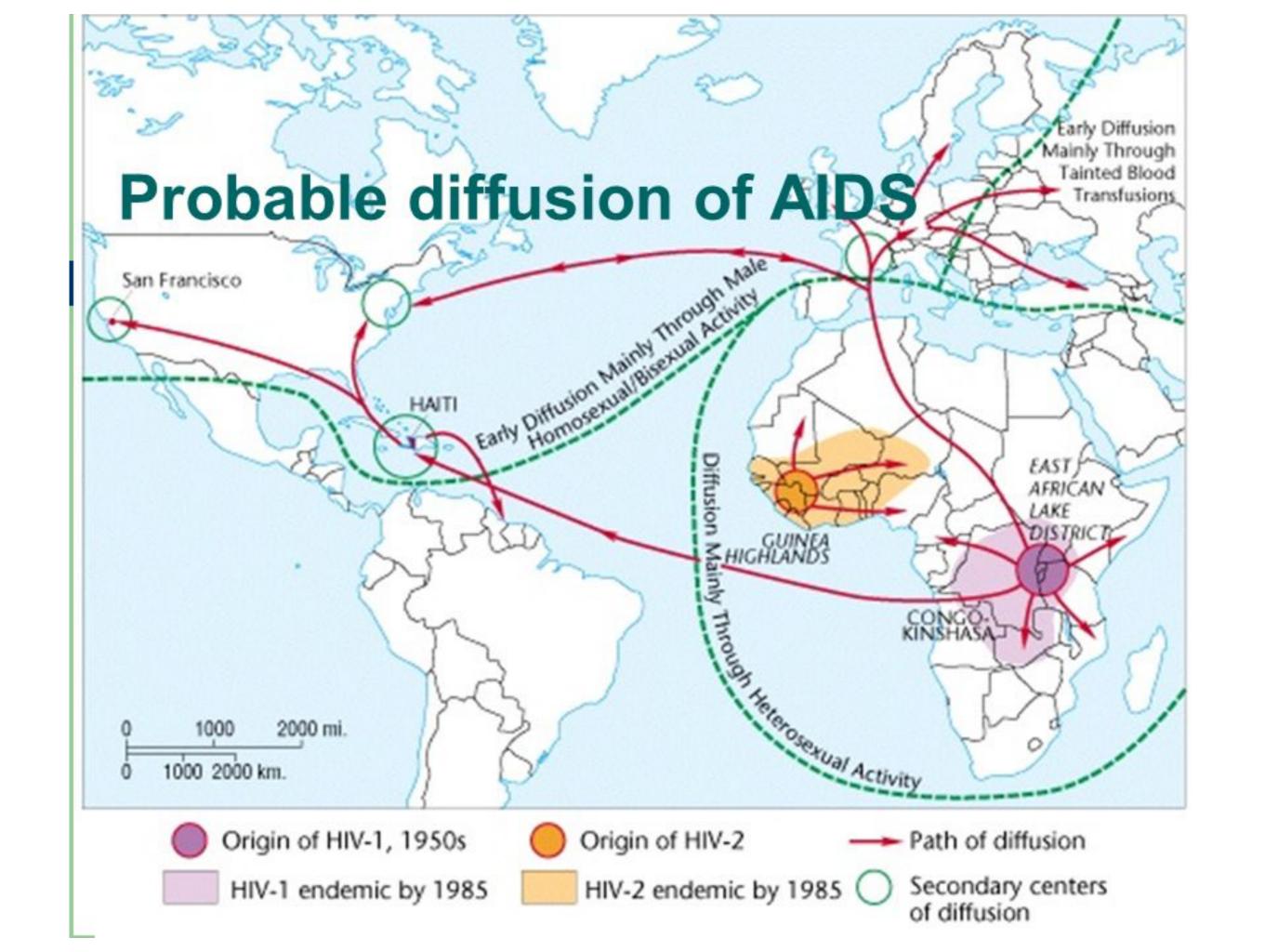
## **Contagious Diffusion**

- rapid widespread diffusion of a characteristic throughout the population. (going viral or a new strand of influenza)

#### Stimulus diffusion

- the spread of an underlying principle even though a characteristic itself apparently failed to diffuse
- -also encourage by technology





## **Stimulus Diffusion**













	HP Slate 500	Samsung Galaxy Tab	Apple iPad WiFi	Apple iPad WiFi+3G	RIM BlackBerry PlayBook
Price	\$799	\$599	\$499/\$599/\$699	\$629/\$729/\$829	Unspecified
Carrier	×	Verizon (contract-free)	×	AT&T (contract-free)	×
On-Board Storage	64GB	16GB/32GB	16GB/32GB/64GB	16GB/32GB/64GB	16GB/32GB
Operating System	Microsoft Windows 7	Google Android 2.2	Apple iOS 3.2 (4.2 in November)	Apple IOS 3.2 (4.2 in November)	RIM BlackBerry Tablet OS
Display Size	8.9" TFT LCD	7" TFT LCD	9.7" IPS	9.7" IPS	7" TFT LCD
Display resolution	1024 x 600 pixels	1024 x 600 pixels	1024 x 768 pixels	1024 x 768 pixels	1024 x 600 pixels
Size	9.21" x 5.7" x 0.57"	7.48" x 4.74" x 0.47"	9.56" x 7.47" x 0.5"	9.56" x 7.47" x 0.5"	7.6" x 5.1" x 0.4"
Weight	1.5 pounds (680g)	0.81 pounds (368g)	1.5 pounds (680g)	1.6 pounds (730g)	0.88 pounds (400g)
Processor	1.86GHz Intel Atom Z540	1GHz ARM Cortex A8	1GHz Apple A4	1GHz Apple A4	1GHz Dual Core
RAM Memory	2GB	512MB	256MB	256MB	1GB
Storage expansion	SD card (up to 32GB)	microSD (up to 32GB)	×	×	×
WiFi	802.11 n	802.11 b/g/n	802.11 a/b/g/n	802.11 a/b/g/n	802.11 a/b/g/n
Cellular Network	×	CDMA	×	GSM/EDGE/UTMS/HSDPA	×
Battery Life	5 hours	7 hours	10 hours WiFi-only	9 hours 3G-only	Unspecified
GPS	×	~	×	~	×
Bluetooth	~	Bluetooth 3.0	Bluetooth 2.1 + EDR	Bluetooth 2.1 + EDR	Bluetooth 2.1 + EDR
Camera	3-Megapixel + Flash	3.2-Megapixel + Flash	×	×	5-Megapixel + 1080P HD video
/ideo Calling Camera	VGA	1.3-Megapixel	×	×	3-Megapixel
HDMI out	Via Dock	Via Dock (Sold Separately)	×	×	microHDMI
USB	1 USB 2.0	30-pin connector only	30-pin connector only	30-pin connector only	microUSB
Multitasking	V	~	With iOS 4.2	With iOS 4.2	V
Phone Functionality	×	×	×	×	×
Tethering	V	~	×	×	~
Adobe Flash Support	~	~	×	×	~
<b>Application Store</b>	No dedicated store	Android Market	Apple App Store	Apple App Store	BlackBerry App World

# Connections: Spatial Interactions

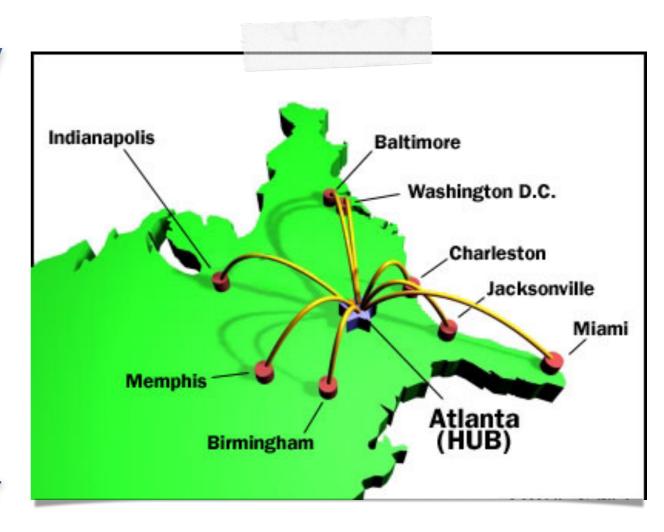
interactions take place through network, a chain of communication that connects places.

#### Distance Decay

 the father away someone is from another, the less likely they are to interact

### Space-Time Compression

- reduction in time it takes for something to reach another place
- ideas that originate in a hearth diffuse rapidly through communication networks
- Modern networks make it faster for us to know information





Best average speed of horse-drawn coaches and sailing ships was 10 mph

1850-1930

Time/space convergence affects some places more than others. It depends on the connections

FALLING COSTS OF COMMUNICATIONS

Steam trains averaged 65 mph Steam ships averaged 36 mph

1950s

Propeller aircraft 300–400 mph

1960s



Jet passenger aircraft 500–700 mph

1990s 🌍

Cyberspace information in seconds

Morse code

to telephone

to satellite

to fibre optics/ internet

and broadband

### How fast do we receive and send communication now?



How small has our world become because of it?