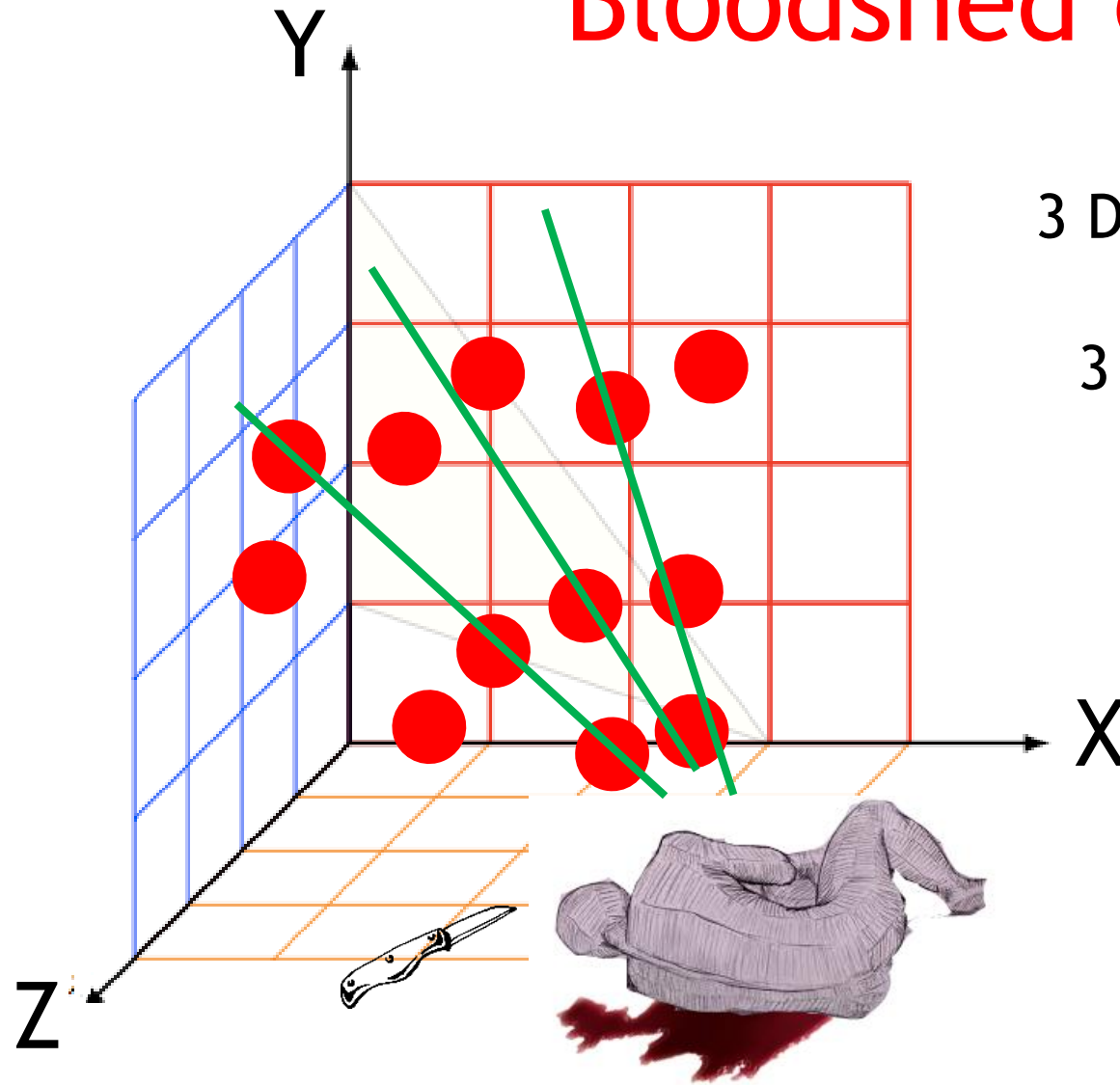


Bloodshed event occurs



3 D crime scene space = X, Y, Z coordinates

3 D blood drops impact target surface(s)

2 D bloodstain patterns → reveal actor(s) locale: *stringing method*

Exclude impossible scenarios

Reconstruct & sequence events

Figure by Du Beau

Where did bloodshed events occur? *Mechanisms & sequencing events*

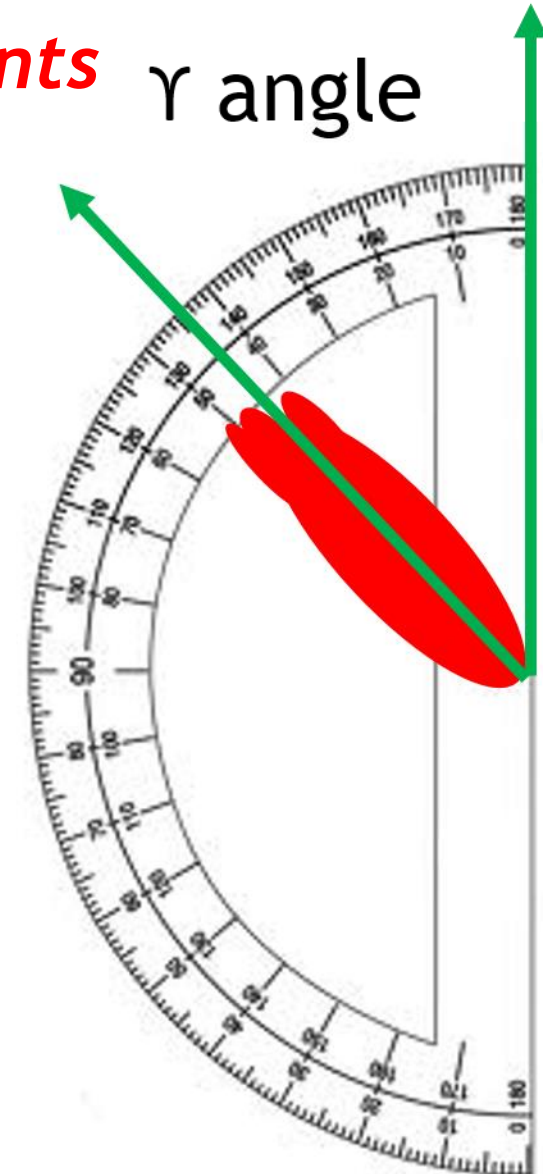
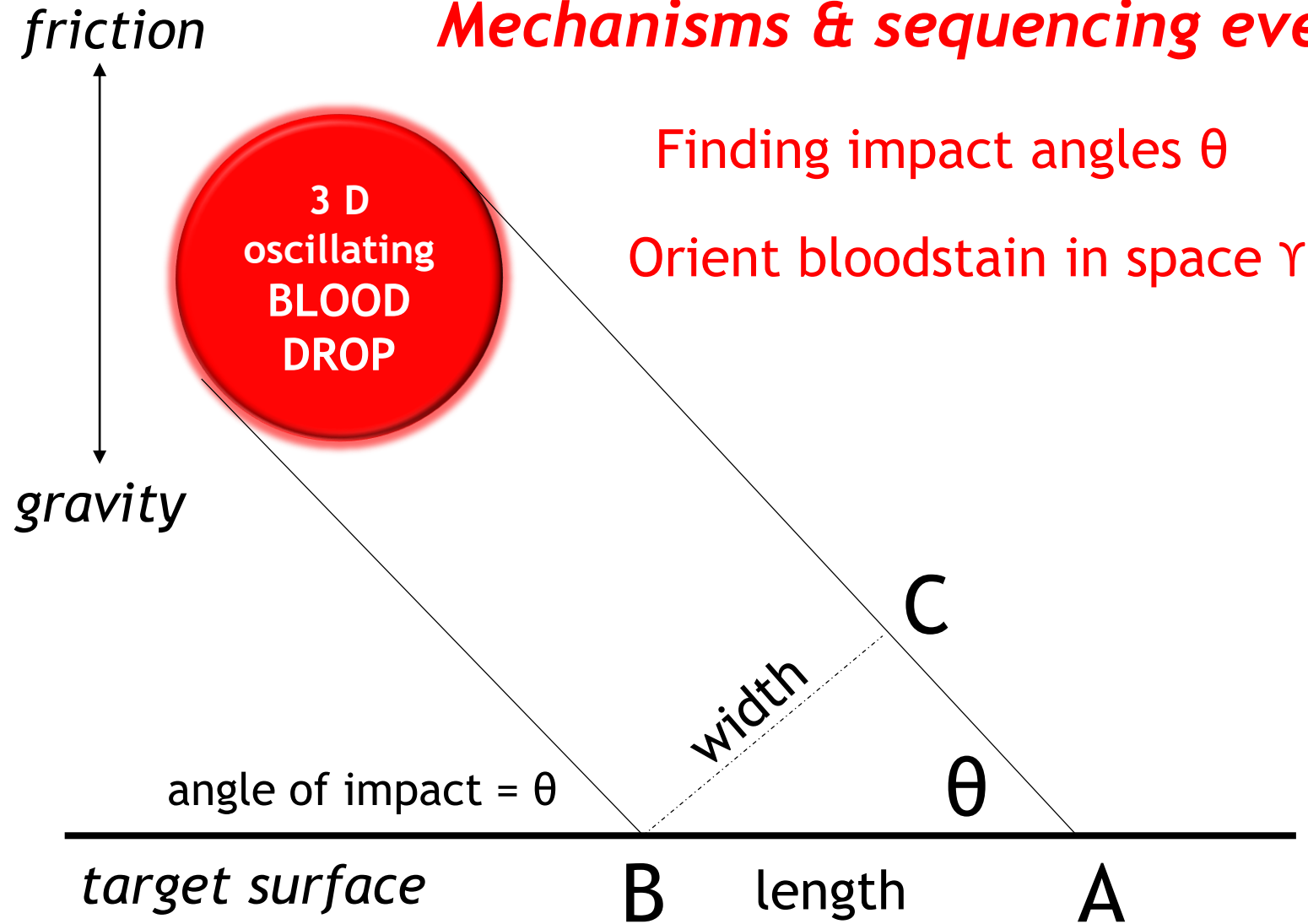
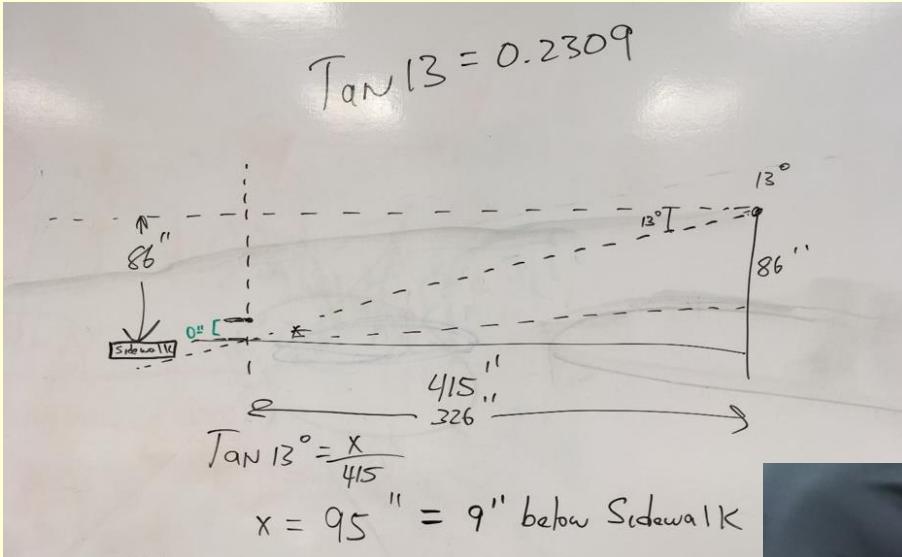


Figure by Du Beau

Bloodstain Pattern Analysis Workshop

Alexandria, Virginia | Summer 2018



*(Photos of others
blurred for privacy)*

Bloodstain Pattern Analysis Workshop

Alexandria, Virginia | Summer 2018



*(Photos of others
blurred for privacy)*

Chemical enhancement & detection of bloodstains

International Association for Identification

Reno, Nevada | Summer 2019



Amido black (right) performed best to enhance otherwise invisible handprints stained with dry blood on this wooden surface. Leucocrystal violet (left) and Coomassie blue (middle) were also used.

Chemical presumptive test to detect blood



Presumptive chemical test Tetramethylbenzadine detects blood sampled from this stain → indigo blue (+)

Scaled with my ballpoint pen = 14 cm = 5.5 inches



File Edit View Image Tool Help

2018-10-03-Project* X

Patterns Status

Pattern 1

Pattern	Plumb	Scale	Stain	Surface	ok
A		☒	☒	☒	☒
B		☒	☒	☒	☒
C		☒	☒	☒	☒
D		☒	☒	☒	☒
E		☒	☒	☒	☒
F		☒	☒	☒	☒

Pattern 2

Pattern	Plumb	Scale	Stain	Surface	ok
G		☒	☒	☒	☒
G_1*		☒	☒	☒	☒

Stain

A

Location At Scene [cm]

Relative to: Room Origin

x 0.0

y 45.5

z 184.2

Surface: Front Wall

Scale [mm]

10

Angles [degrees]

α (alpha) 24.7

γ (gamma) -36.6

Options

☐ Exclude from analysis

Original Image

Stain A.jpg

Pattern 1 [impact]

Origin 46.4, 106.1, 84.0

s 4.6, 3.9, 13.8

Experiment

known 44.0, 108.0, 73.5

Δ 2.4, 1.9, 10.5

85 %

