



29th Texas Symposium on Relativistic Astrophysics

Cape Town, South Africa

December 3 – 8, 2017

100TH ANNIVERSARY OF EINSTEIN'S "BIGGEST BLUNDER"

142 Sitzung der physikalisch-mathematischen Klasse vom 8. Februar 1917

Kosmologische Betrachtungen zur allgemeinen Relativitätstheorie.

Von A. EINSTEIN.

kommen analog ist. Wir können nämlich auf der linken Seite der Feldgleichung (13) den mit einer vorläufig unbekanntem universellen Konstante $-\lambda$ multiplizierten Fundamentaltensor $g_{\mu\nu}$ hinzufügen, ohne daß dadurch die allgemeine Kovarianz zerstört wird; wir setzen an die Stelle der Feldgleichung (13)

$$G_{\mu} - \lambda g_{\mu\nu} = -\kappa \left(T_{\mu\nu} - \frac{1}{2} g_{\mu\nu} T \right). \quad (13a)$$



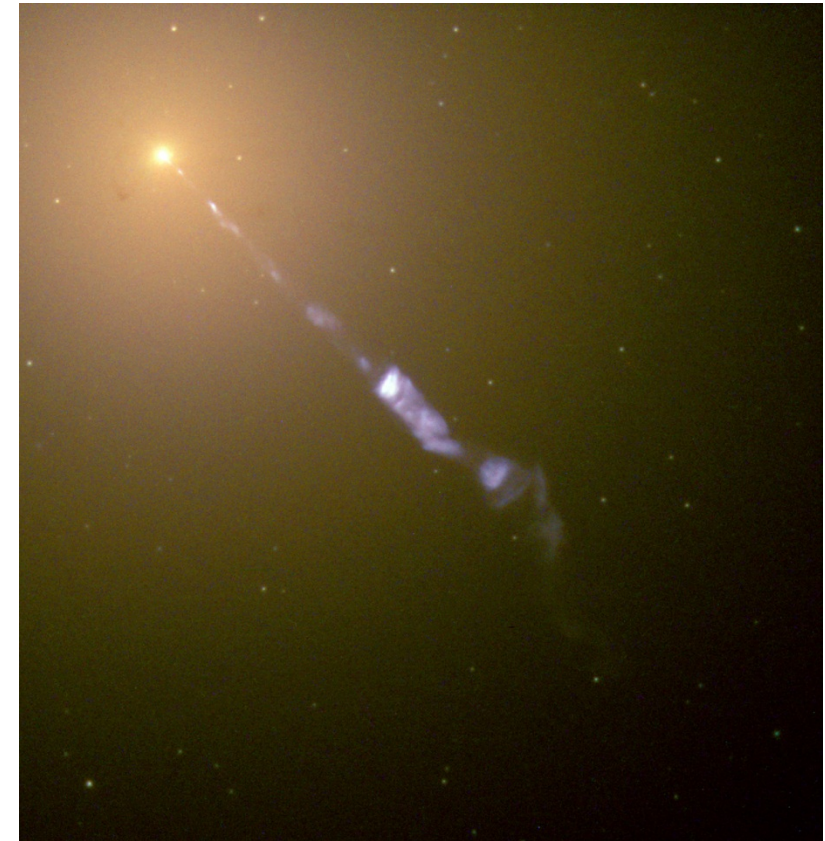
99.9th Anniversary of Curtis' Discovery of the Jet in M87

UNIVERSITY OF CALIFORNIA PUBLICATIONS
PUBLICATIONS OF THE LICK OBSERVATORY, VOL. XIII, PART I

(1918)

DESCRIPTIONS OF 762 NEBULAE AND CLUSTERS
PHOTOGRAPHED WITH THE CROSSLEY REFLECTOR

BY HEBER DOUST CURTIS



4485	12	25.8	+12	57	A faint oval spiral 1.0 x 0.9; faint, small nucleus; compact, indistinct whorls. Exceedingly bright; the sharp nucleus shows well in 5 ^m exposure. The brighter central portion is about 0'.5 in diameter, and the total diameter about 2'; nearly round. No spiral structure is discernible. A curious straight ray lies in a gap in the nebulosity in p.a. 20°, apparently connected with the nucleus by a thin line of matter. The ray is brightest at its inner end, which is 11" from the nucleus. 20 s.n.
4486	12	25.8	+12	57	
4485	12	25.7	+42	15	Vol VIII Plate 36. These appear to be physically connected: 4485 is a bright

TEXAS



Paris, TX

Florence, TX

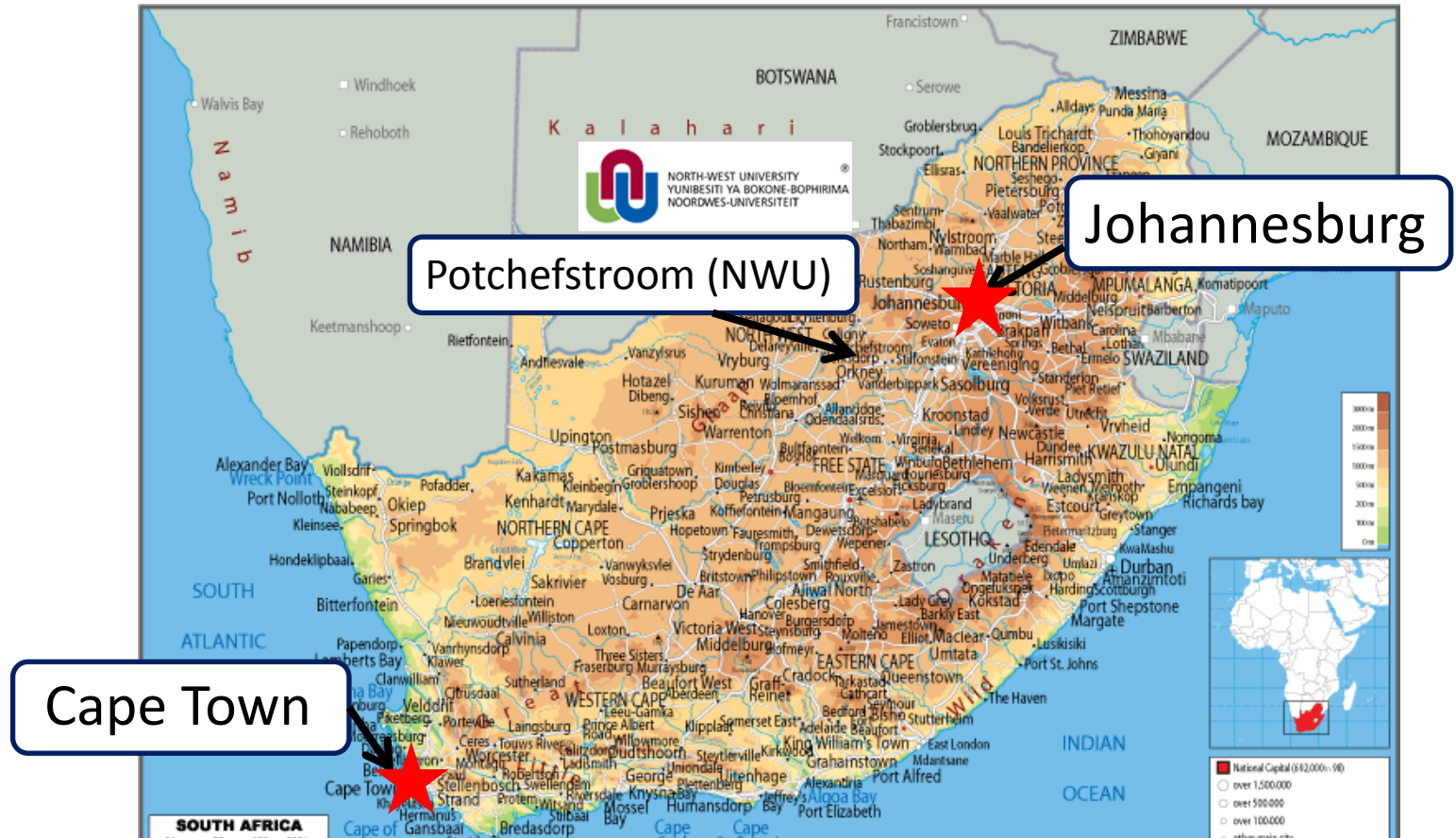
Geneva, TX

Heidelberg, TX



Cape Town

- Daily direct flights to/from London
- 2-hr connection from Johannesburg; direct flights from (almost) anywhere in the world
- English speaking
- For EU, U.S., ... citizens, no visa required





Cape Town International Convention Centre

- located within city centre, close to all key attractions
- 20 minutes from Cape Town International airport
- 4000 (affordable!) hotel rooms within walking distance
- Expect registration fee \leq US \$ 300





Attractions & Activities

- Waterkant (shopping, dining)
- Table Mountain
- Robben Island
- Cape Peninsula
- Penguin colonies
- Game reserves
- Stellenbosch wine country













Weather

Geneva, Switzerland Weather

8:40 am CET











10-Day Forecast

DAY	HIGH/LOW	COND	PRECIP
TODAY Dec 10	8°C/2°	 Sunny	0%
FRI Dec 11	9°/1°	 Mostly Sunny	0%
SAT Dec 12	8°/1°	 Mostly Sunny	0%
SUN Dec 13	9°/2°	 Partly Cloudy	0%
MON Dec 14	9°/3°	 Mostly Sunny	10%
TUE Dec 15	9°/4°	 Showers	80%
WED Dec 16	8°/3°	 Showers	70%
THU Dec 17	8°/3°	 Mostly Cloudy	20%
FRI Dec 18	9°/3°	 Mostly Sunny	10%
SAT Dec 19	9°/4°	 Partly Cloudy	20%

Cape Town, South Africa We...

9:51 am SAST

10-Day Forecast

DAY	HIGH/LOW	COND	PRECIP
TODAY Dec 10	27°C/18°	 Sunny	0%
FRI Dec 11	26°/18°	 Partly Cloudy	10%
SAT Dec 12	25°/17°	 AM Showers	50%
SUN Dec 13	27°/18°	 Sunny/Wind	0%
MON Dec 14	27°/17°	 Sunny/Wind	0%
TUE Dec 15	28°/18°	 Sunny	0%
WED Dec 16	27°/18°	 Sunny/Wind	0%
THU Dec 17	29°/19°	 Sunny	0%
FRI Dec 18	28°/19°	 Sunny	10%
SAT Dec 19	27°/18°	 Sunny	10%

$h \approx 0 \text{ m a.s.l.} \Rightarrow \tau_{\text{Geneva}} - \tau_{\text{Cape Town}} \sim 20 \text{ ns!}$



WBF

VICTORIA

QUAY FOUR

CAPE

UNION

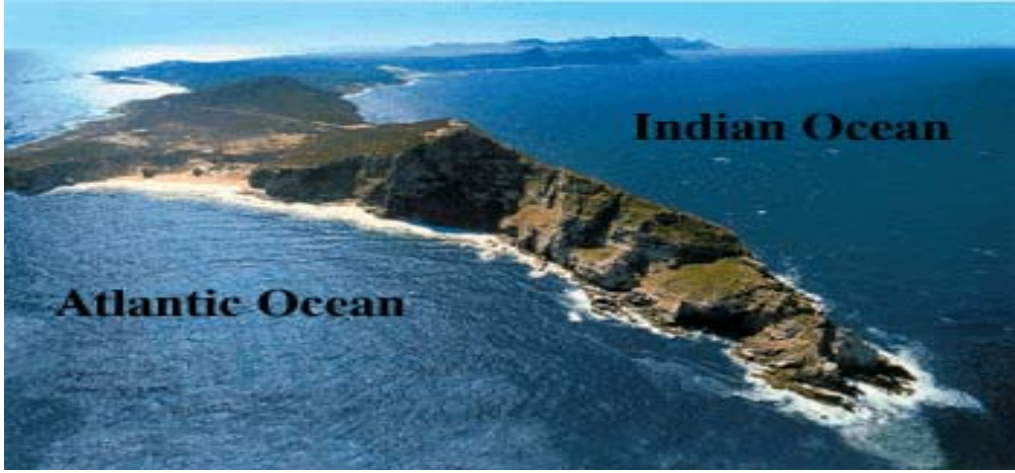
MART

FISHING CHARTERS

Sailing Catamaran

THE FISH
OF EAT DRINK
AT THE TABLE BAY
YOU'RE
GETTING
CLOSE

See you in Cape Town in 2017!



December 3 – 8, 2017