B. Tide Physics

1. Lunar Tide

EARTH IS NOT A POINT GRANTATIONAL FRUE VARIES MITH LOCATION

NET FALL WILL BY DIRFULINES BEPLEW

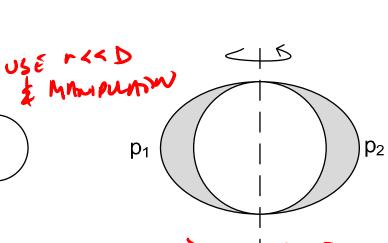
ACURTHATIN & GRAMM

NO LUNGUL IN BALANTO

CONSIDER TIME OF MASS OF WATER M

P3:
$$F_{P3} = \phi \frac{GMm}{D^2} = mL^2 N^2$$

$$F_{P,1} = F_{P,2} = Mrw^2 (1+2\frac{L^2}{D})$$



D

ME/ESE 4470 – Wind & Tidal Power

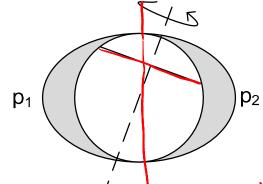
Tidal Energy- 13

M'

 p_2

- B. Tide Physics
 - 1. Lunar Tide

SIMPLE THEORY EXPLINITS BYSILS
OF WHAT IS OBSERVED, BUT
THERE ARE DEMANING



- 1. BULGES CANNUT MOVE AT 1600 km/hr REGULED BY EARTH'S
 - -> TRAVEL AT 500 Km/hr
 - -> LAS THE MOUN'S POSITIVE
 - -> DACH OCETAL BABIN DEVELOPS ITS OWN TIDES
- 2. MOUN IS NOT ON THE EQUATINIA PLANE

& DO NOT GET 2 BOWN TIBES

& TIDE HEILMES WILL WALLY

3. MUON MUNTS AS EARTH RUTHTS

I CHANGE OF THE BETWEEN TIDES

Tidal Energy- 14 > 12hm

B. Tide Physics

2. Solar Tide

Sun Asso Products Tides

Full

Full

Full

Sun Doesn't "note"

Sun Doesn't "note"

New

Lumm Tide

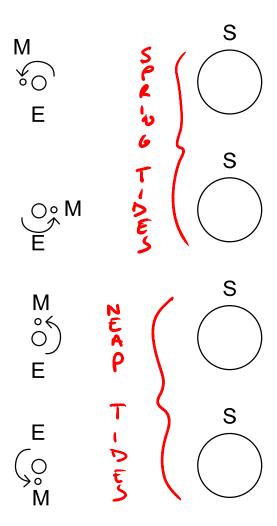
Sun 15 now missie, But men

Kither Army

Same TIDE manes INTO & OF PHISE Waxing

THE HEIGHT IS EXPLANAS BY S-E-M. PUSITION

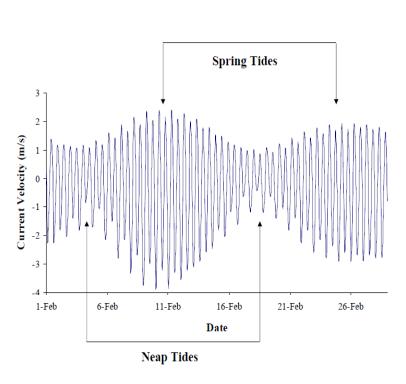
RATIO OF SPRING TOE RANGE TO Waning

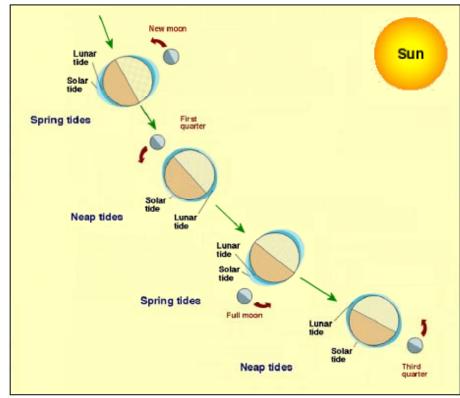


B. Tide Physics

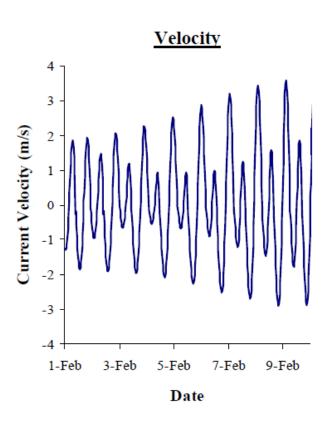
3. Combined Solar/Lunar Tides

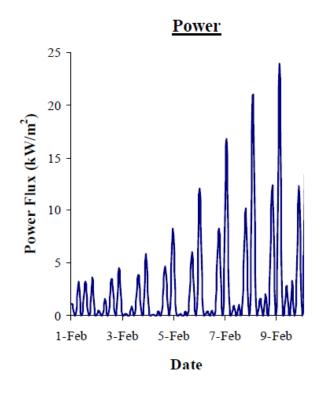
Source: EPRI





- B. Tide Physics
 - 3. Combined Solar/Lunar Tides





Source: EPRI

B. Tide Physics

4. Basin Focusing Effects



COUL IMET TUN KAND









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Tidal Energy- 18

- C. Power Conversion
 - 2. Unducted Rotors

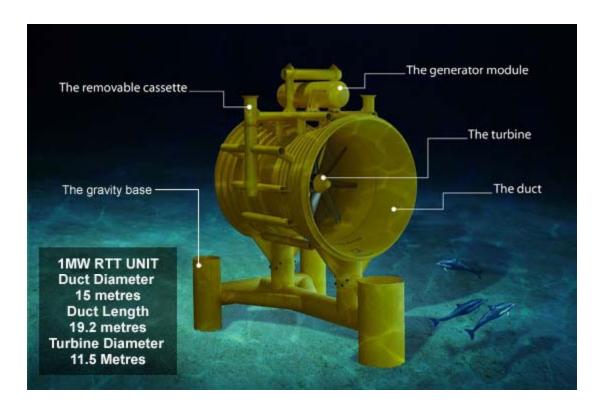






- C. Power Conversion
 - 2. Ducted Rotors





C. Power Conversion

3. Vertical Axis Turbines





C. Power Conversion

4. Other





