

FAMILY OF ULTRA FAST VESSELS DESIGNED BY  
JMG and By UFM Group

**空軍 9 INTERCEPTOR**

的速度：4 維亞雷焦 2013 年 5 月 6 日在高海海灣 87,2

FORCE 9 INTERCEPTOR

SPEED : 87,2KNOTSSEASTATE 4 AT HIGH SEA  
GULF OF VIAREGGIO THE 6th of MAY 2013 :



UFM Group ULTRA FAST PATROLBOAT HIGH  
SEA CRUISING SEA STATE 4 : 162 KM / HOUR

- 45 Meters per SECOND -

**UFM 集團 ULTRA FAST PATROLBOAT 高**  
**海上巡航海況 4: 162 公里/小時**  
**- 每秒 45 米 -**

**FORCE 16 INTERCEPTOR BIGGER VECTOR**



Same design and Hydrodynamic performances : The Force 145 family of OPV ,Corvets, Light fregates,rom 45 meters to 80 meters.( WARSHIP of 21 Th CENTURY)



FORCE 145/190 Light Frigates reach 60 Knots : 30 meters per second , not reachable by normal Missiles . Stealthy to Radar (not reachable by Missiles linked to Radar.) Low infrared set up of engines . Antisubmarins equipment with sophisticated sonar . Antiaircraft Missiles and night vision system guns.

-Low Drag at High Speeds

-Low Vertical Motions (->High Sustained Speed in Severe Sea-States)

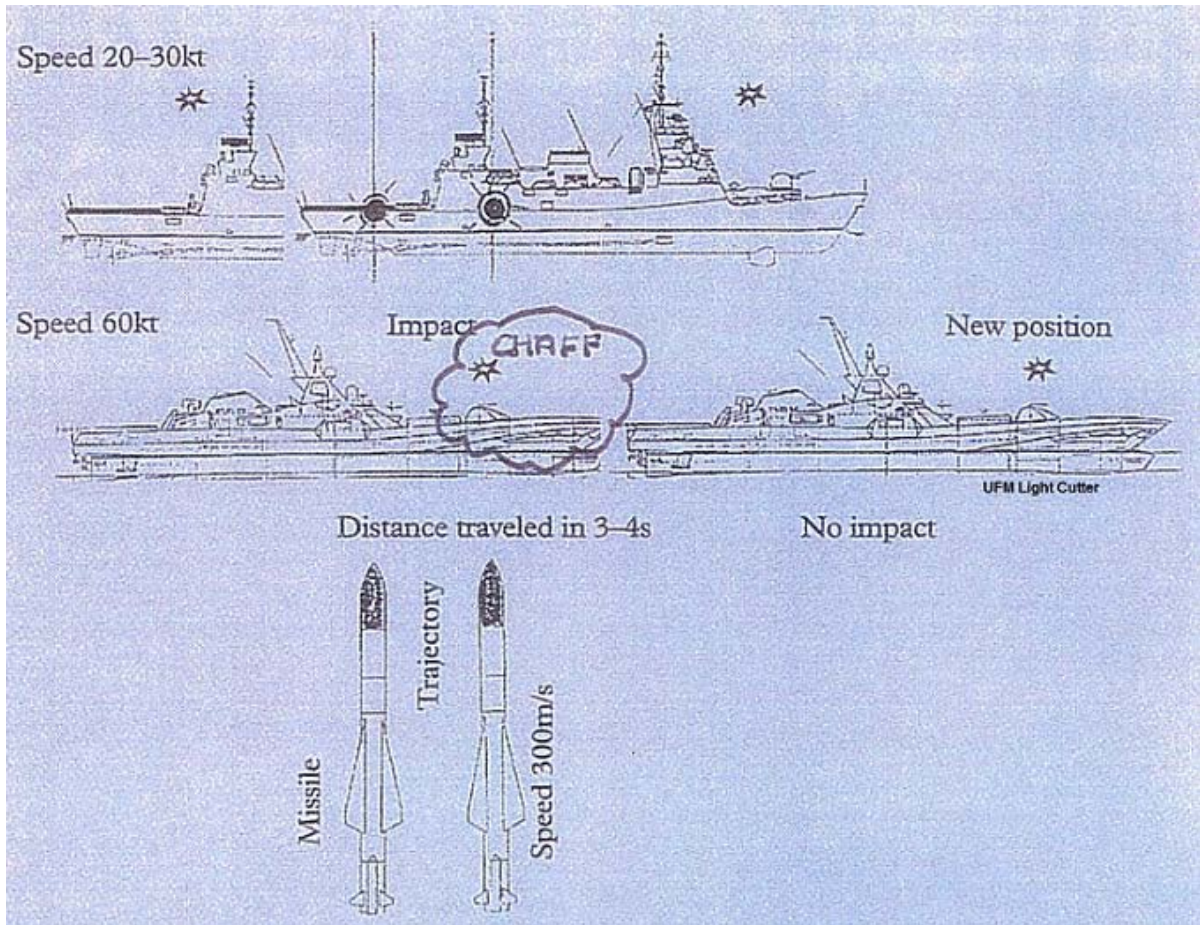
-Low Roll Motions (Without Any Stabilization System)

-Perfect stabilized platform in rough sea to use sophisticated system of combats even at high speed.

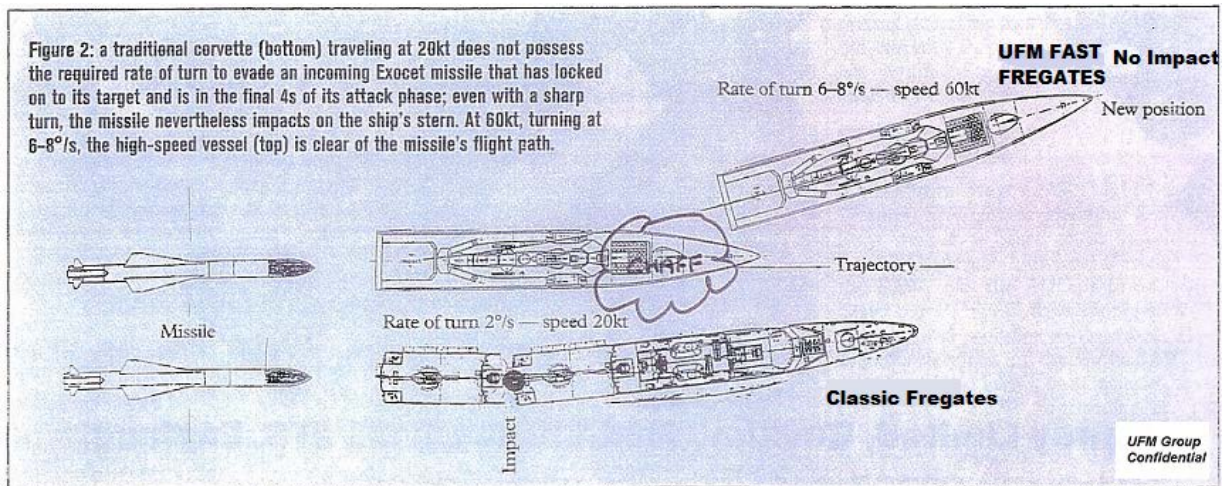
-At 60 Knots able to turn at more than 8 Degrees

per Second.(Unique Manoeuvrability as jetplane)

Advantages and explanations :



**Figure 1: two Exocet missiles have broken through a ship's defenses and time to impact is 4s. A ship of moderate speed (top), moving at 20-30kt, is unable to evade the missiles within 4s, and is struck amidships and near the starboard stern. By contrast, a high-speed vessel, traveling at 60kt, is able to cover a distance almost equivalent to its own length and is well clear of the missiles' path.**



相同的設計和水動力性能：力 145 系列的 OPV，的 Corvets，光 fregates，ROM45 米至 80 米（21 世紀軍艦）

空軍 145 的光 Fregates 達到 60 節：每秒 30 米，而不是正常的導彈到達。隱身雷達（不可到達的導彈與雷達。）低紅外發動機。複雜的聲納 Antisubmarins 設備。防空導彈和夜視系統槍砲。

在高速行駛時的低風阻

低垂直運動（->高持續速度在惡劣海國）

低橫搖運動（沒有任何穩定系統）

完美的穩定平台在波濤洶湧的大海中，利用先進的作戰系統，即使在高轉速。

以 60 節的速度，能夠把超過 8 度

每秒（獨特作為 jetplane 操縱性能）。

優勢和 explanations: Fig 1 and 2

For South Korea