

The Patriarch

The First World : Good

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December 2002 - September 2003XF

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Remerciements

Préface

Thomas
September, 2003

Châteauvieux

Ylraw

Sydney, 2002, December, 14th - 2002, December, 22nd

Sarah

Desert

Patrick



Melbourne

Bread

Naoma

Reunion

Erik

Thomas

Alive

Riviera and Sun

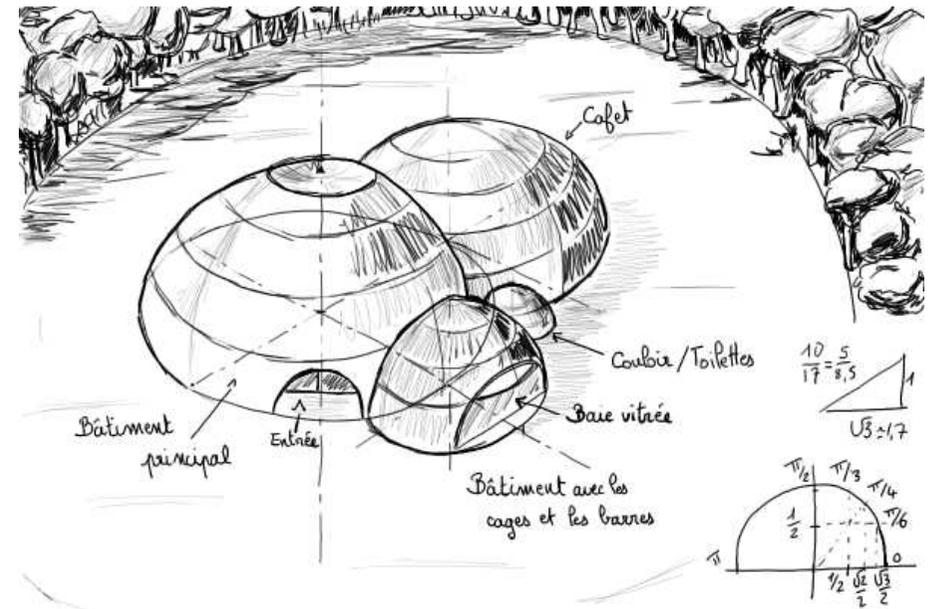
War

Étienne

Ylraw 2
Sydney, 2002, December 22nd - Stycchia, Day 130

Sydney 2

The beyond

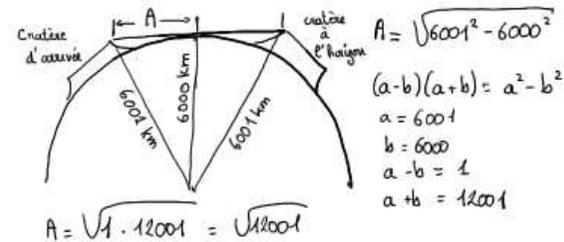
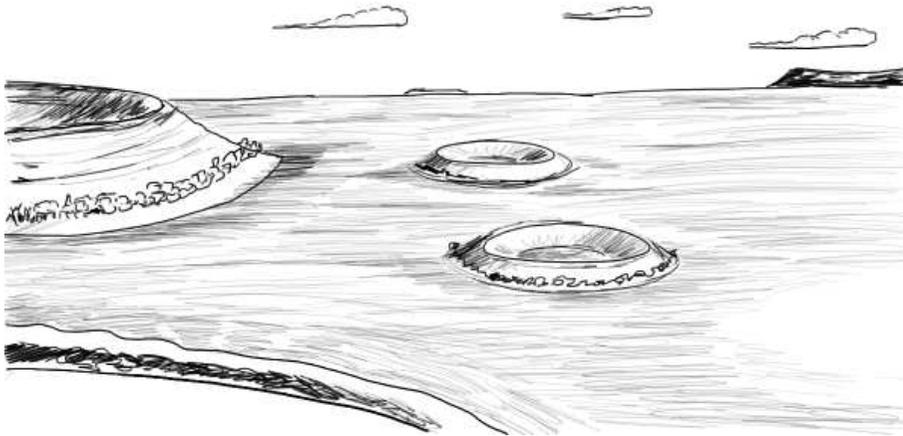


Bakorel

Departure

Stycchia

Crater



$$A = \sqrt{1 \cdot 12001} = \sqrt{12001}$$

Méthode de Newton (Méthode de la tangente) pour trouver $\sqrt{12001}$.

Pour la fonction $f(x) = x^2 - 12001$, $f(x) = 0$ pour $x = \sqrt{12001}$

Preons $x_0 = 100$

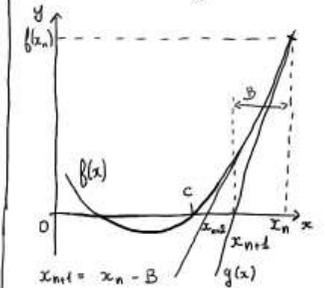
$$x_1 = 100 - \frac{f(100)}{f'(100)} = 100 - \frac{10000 - 12001}{2 \cdot 100} = 100 + \frac{2001}{200} \approx 110$$

$$x_2 = 110 - \frac{f(110)}{f'(110)} = 110 - \frac{12100 - 12001}{220} = 110 - \frac{99}{220} \approx 109,5$$

$$A \approx 109,5 \text{ km}$$

Distance du cratère $\approx 220 \text{ km}$

Méthode de la tangente



$$x_{n+1} = x_n - B$$

$$g(x) = ax + b$$

$$a = f'(x)$$

$$g(x_n) = f(x_n) = f'(x_n)x_n + b$$

$$g(x_{n+1}) = 0 = f'(x_n)x_{n+1} + b$$

$$\Rightarrow f'(x_n)x_n + b - (f'(x_n)x_{n+1} + b) = f(x_n) - 0$$

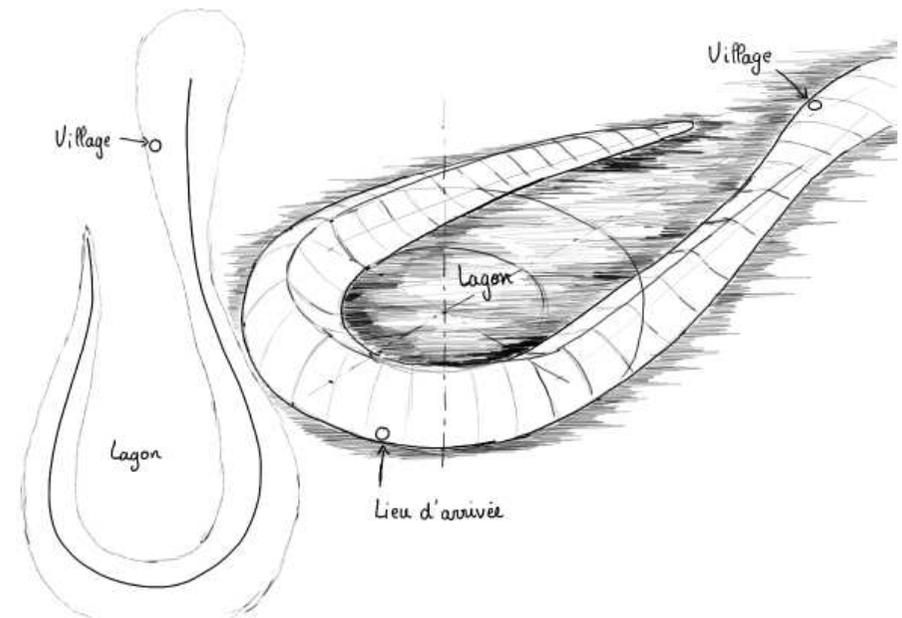
$$f'(x_n)x_n - f'(x_n)x_{n+1} = f(x_n)$$

$$\Rightarrow x_{n+1} = x_n - \frac{f(x_n)}{f'(x_n)}$$

La suite des x_n tend vers C pour lequel $f(x) = 0$

Crossing

Lagoon



Beasts

Village

Ylraw 2
Pénoplée

Childhood

Love Affairs

Symphone

Debate

Free Choice

Naoma
Sydney, 2003, January, 2nd

Wake Up 2

Appendix

Relation Table

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