



NagBody lectures: Pointers

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Seminario de investigación,

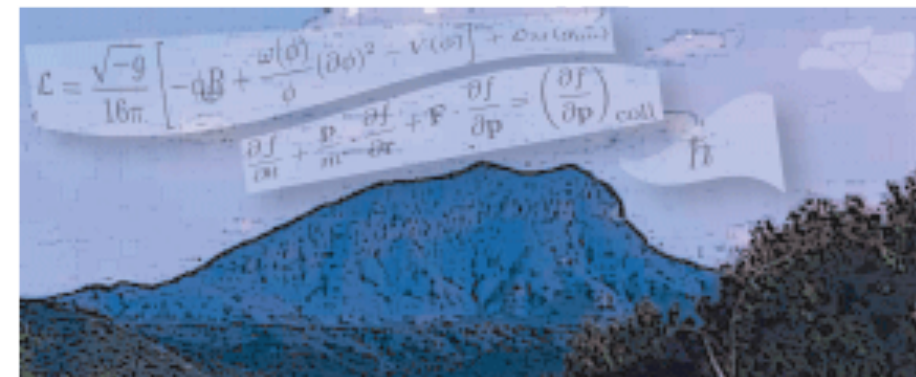
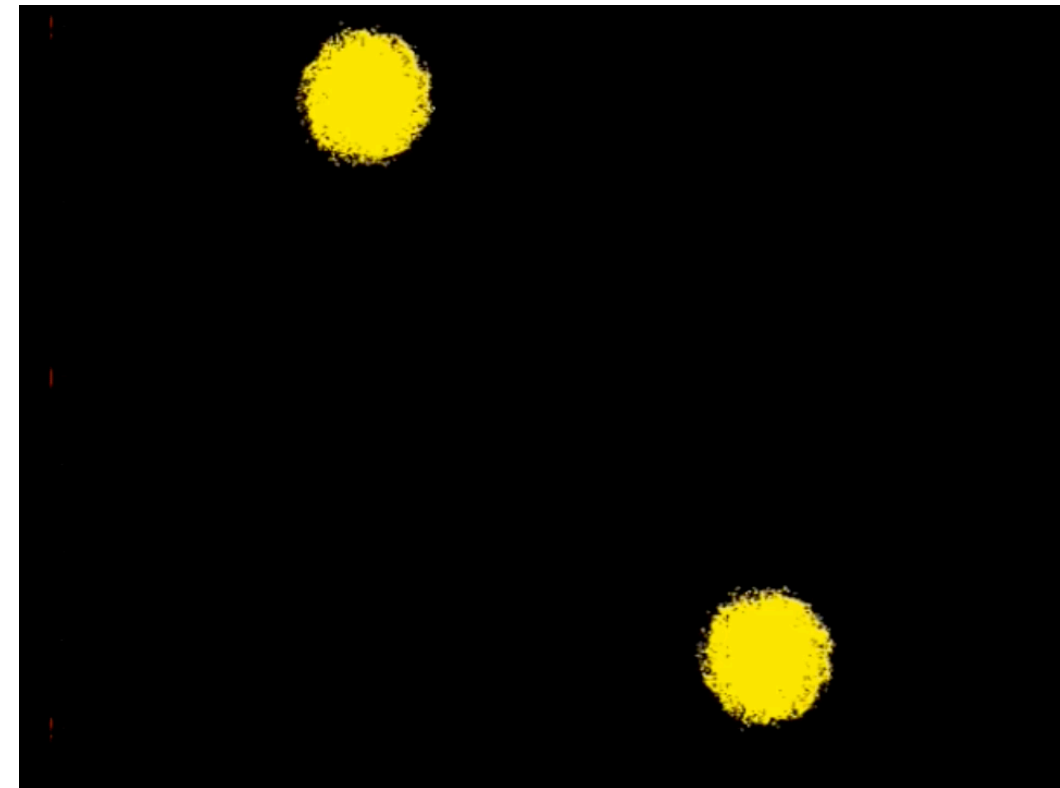
Departamento de Física,

Universidad de Guanajuato

3 de febrero al XX de junio de 2022

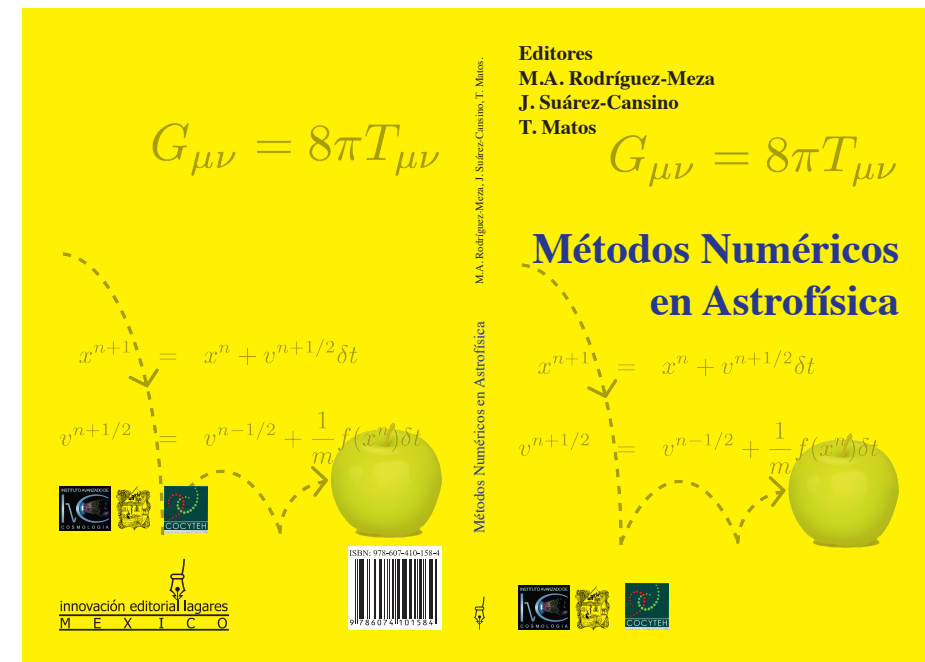
Sesiones virtuales (Zoom, Meet, etcétera)

quintessence
Group



References and material

- Cosmología numérica y estadística: NagBody kit (<http://bitbucket.org/rodriguezmeza>). Mario A. Rodríguez-Meza.
- Métodos numéricos en astrofísica, capítulo I, Método de N-cuerpos en astrofísica. (https://www.researchgate.net/publication/316582859_Metodo_de_N-Cuerpos_en_Astrofisica)
- La estructura a gran escala del universo. Capítulo 22 en Travesuras cosmológicas de Einstein et al. https://www.researchgate.net/publication/316582400_La_estructura_a_gran_escaladel_universo_simulaciones_numericas
- https://www.researchgate.net/profile/Mario_Rodriguez-Meza
- https://www.researchgate.net/publication/314281416_Los_agujeros_negros_y_las_ondas_del_Dr_Einstein
- M.A. Rodríguez-Meza, Adv. Astron. 2012, 509682 (2012). arXiv: 1112.5201. (https://www.researchgate.net/publication/51967093_A_Scalar_Field_Dark_Matter_Model_and_Its_Role_in_the_Large-Scale_Structure_Formation_in_the_Universe)



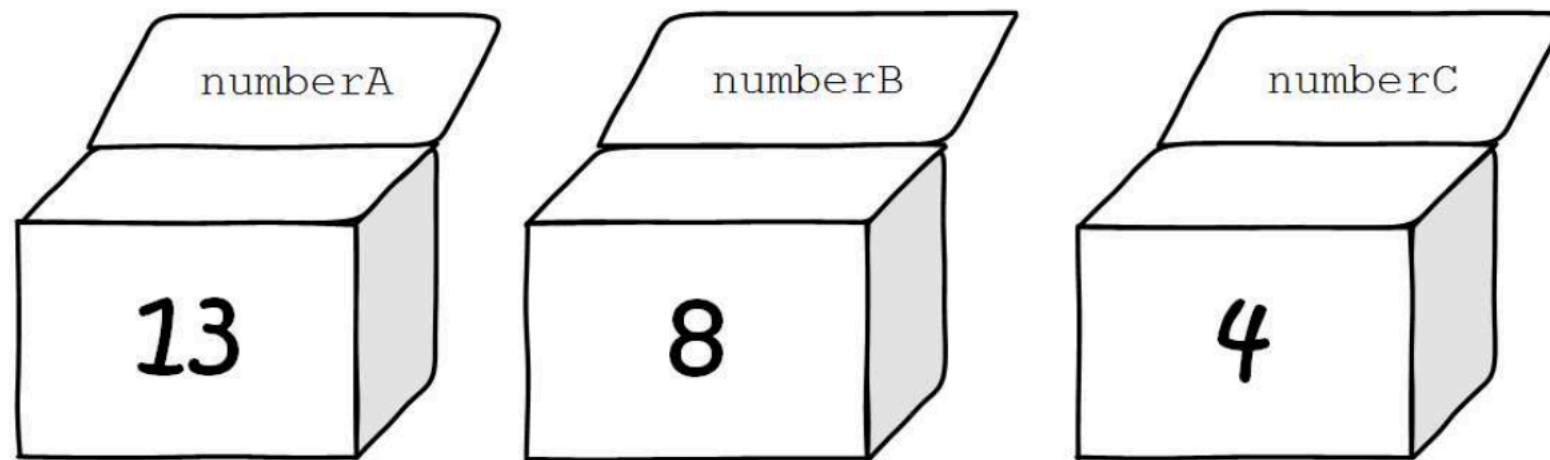
Content: Pointers

- Variable and constant concepts



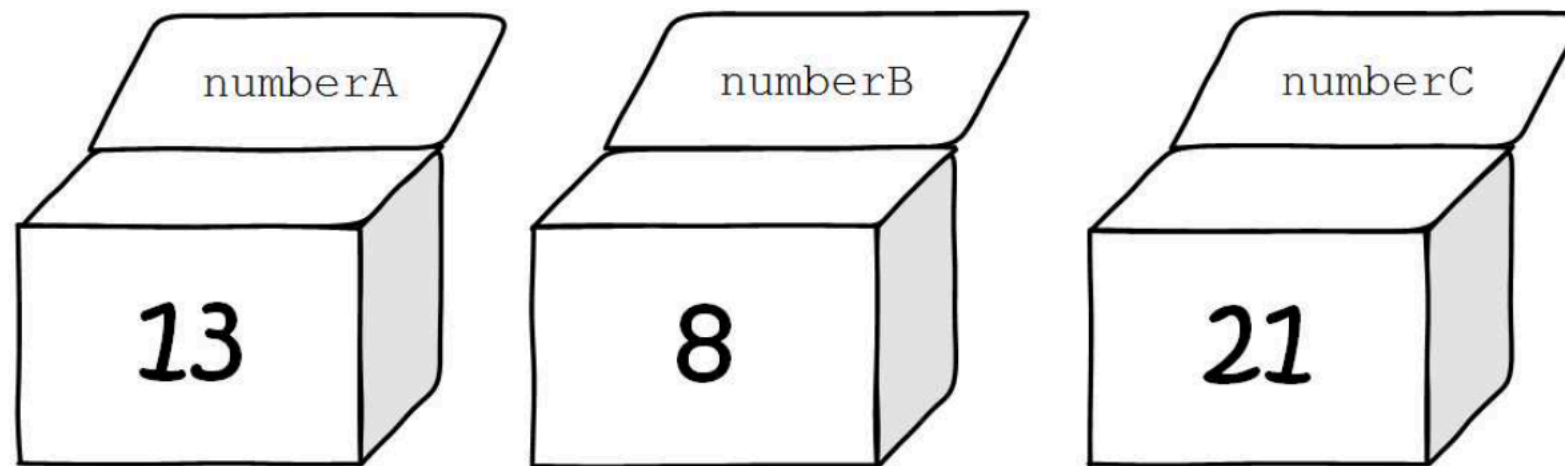
Variable concept

- A variable is a location in computer's main memory where a program can store its value and change it as program executes.



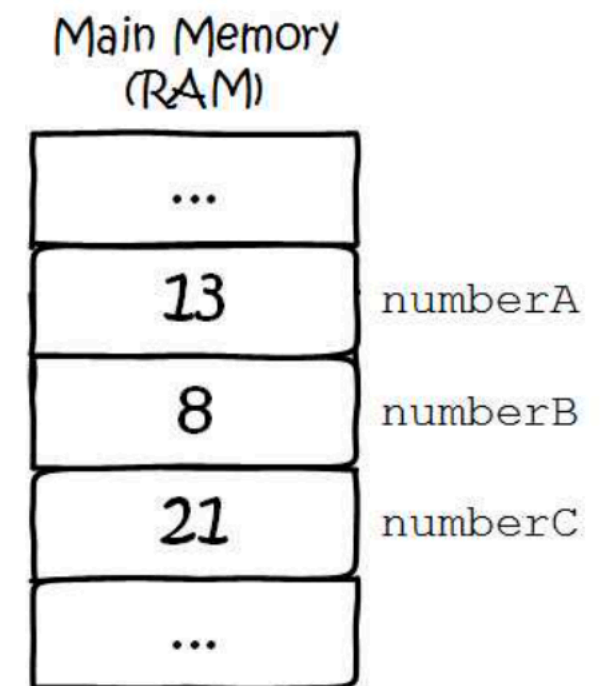
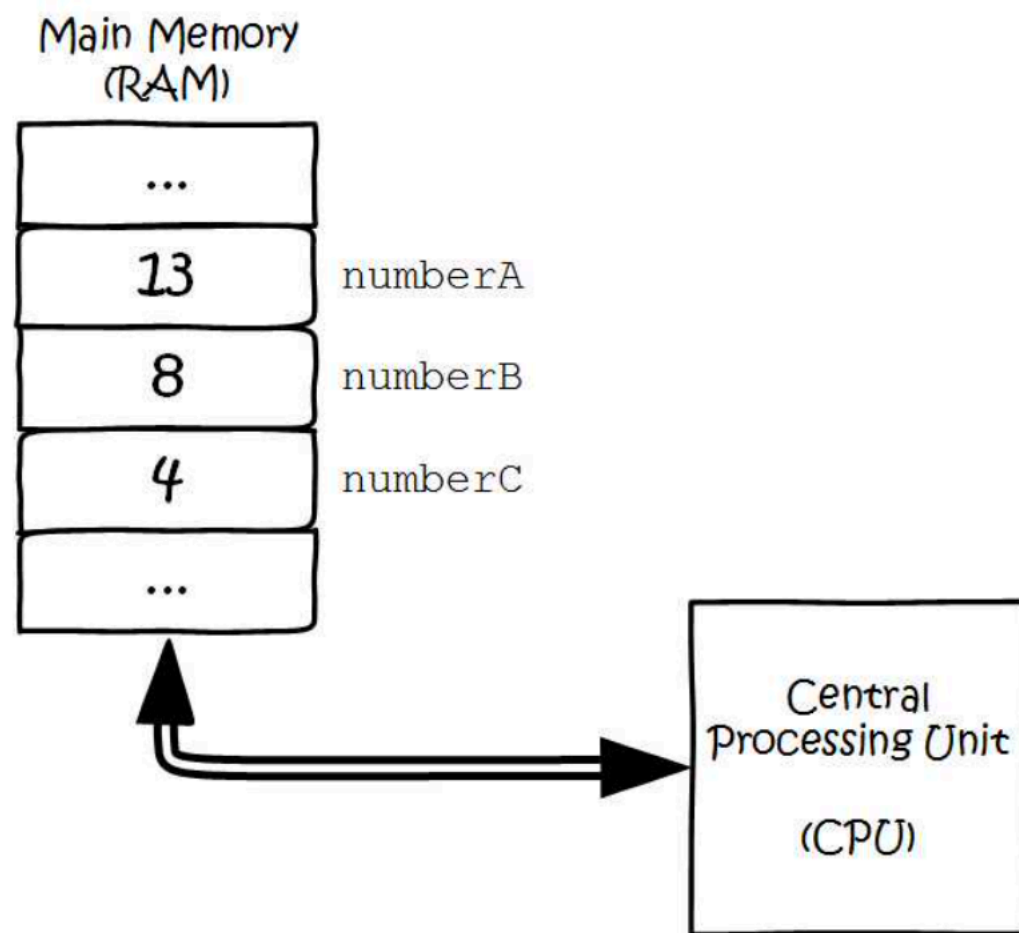
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Variable concept

- A variable is one of the most important concept in programming.
- It helps to interact with the data stored in the main computer's memory.
- How many types there are:
 - a. Integer.
 - b. reals.
 - c. Booleans.
 - d. Characters
- What does it mean to declare a variable?



Conclusions: Pointers

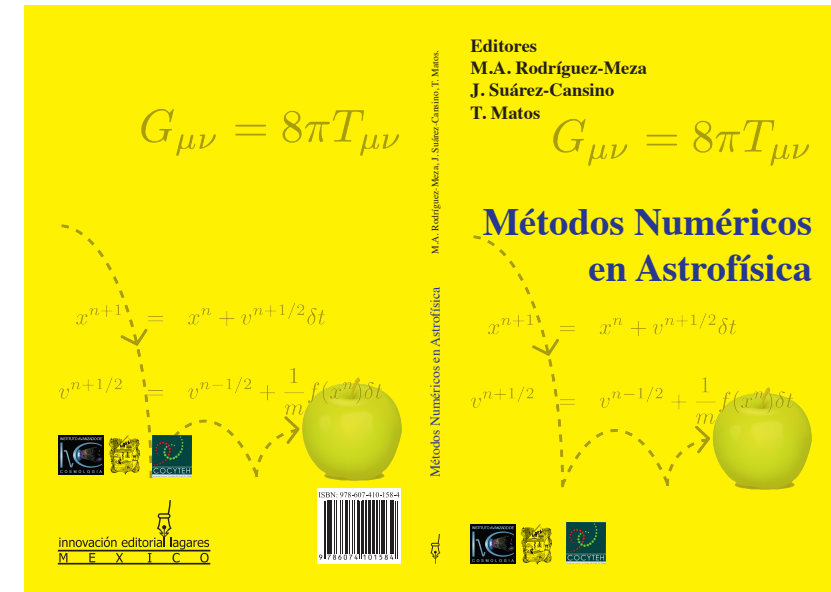
We have seen:

- What is a variable.
- What is a constant.
- Types of variables.
- Declaring variables.



References and material

- Cosmología numérica y estadística: NagBody kit (<http://bitbucket.org/rodriguezmeza>). Mario A. Rodríguez-Meza.
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- La estructura a gran escala del universo. Capítulo 22 en Travesuras cosmológicas de Einstein et al. https://www.researchgate.net/publication/316582400_La_estructura_a_gran_escaladel_universo_simulaciones_numericas
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See you!

