X1, X2, X3 ild uniform in [-1, 1] ENERO january janeiro X=(x1, x2, x3) Jueves thursday quinta-feira f(x) = fo + f, (x1) + f2(x2) + f3(x3) + f12(x1, x2) + f13(x1, x3) + f23(x2, x3) 08 + f123 (x1, x2, x3) 03 05 07 **FEB** 

MTWTFSS

16 17 18 19 20 21

fiz (x1/x2) = ( f(x). (1) dx3  $f(x).\left(\frac{1}{2}\right)$  $t(x) \cdot (\overline{1}) qx$ Domingo sunday domingo f123 (x1, x2, x3) = f(x) - fo -f3(x3) - f12(x1, x2) -f13(x1,x3)-f23(x2,x3)

> 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

**FEB** 

MTWTFSS

## Martes tuesday terça-Feira

or me can show that: 08 09 01 03 05 06 07 **FEB** 

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

TWTFSS

## Jueves thursday quinta-feira

15

or orthogonality check:

$$\int_{09}^{08} \int_{-1}^{1} (x_1) \cdot \left(\frac{1}{2}\right) dx_1 \equiv 0$$

$$\int_{10}^{10} \int_{-1}^{1} f_{2}(x_{2}) \cdot \left(\frac{1}{2}\right) dx_{2} \equiv 0$$

$$\int_{01}^{12} \int_{-1}^{1} f_{12}(x_{1}, x_{2}) \cdot \left(\frac{1}{2}\right) dx_{1} dx_{2} \equiv 0$$

$$\int_{03}^{04} \int_{-1}^{1} \int_{-1}^{1} f_{13}(x_{1}, x_{2}) \cdot \left(\frac{1}{2}\right) dx_{1} dx_{2} \equiv 0$$

$$\int_{05}^{05} \int_{-1}^{1} f_{13}(x_{1}, x_{3}) \cdot \left(\frac{1}{2}\right) dx_{1} dx_{3} \equiv 0$$

$$\int_{06}^{07} \int_{-1}^{1} f_{23}(x_{1}, x_{2}, x_{3}) \cdot \left(\frac{1}{2}\right) dx_{1} dx_{3} \equiv 0$$

$$\int_{07}^{07} \int_{-1}^{1} \int_{-1}^{1} f_{123}(x_{1}, x_{2}, x_{3}) \cdot \left(\frac{1}{2}\right) dx_{1} dx_{2} dx_{3} \equiv 0$$

$$\int_{07}^{07} \int_{-1}^{1} \int_{-1}^{1} f_{123}(x_{1}, x_{2}, x_{3}) \cdot \left(\frac{1}{2}\right) dx_{1} dx_{2} dx_{3} \equiv 0$$

$$\int_{07}^{07} \int_{-1}^{1} \int_{-1}^{1} f_{123}(x_{1}, x_{2}, x_{3}) \cdot \left(\frac{1}{2}\right) dx_{1} dx_{2} dx_{3} \equiv 0$$

MTWTFSS

9 10 11 12 13 14 15 16 17 18 19 20 21 22