

This is an Extremely Long Title
that will Span Several Lines on the Poster

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In a Nutshell

Goal Make the best poster template ever created for the Department of Computer Science of KU Leuven

Model A mathematical model of a poster

Method Awesome \LaTeX skills

Result This beautiful poster

Bonus Present your research in a unified way in agreement with the department's standard

Mathematical Model

- We can specify a mathematical model using the usual `align` environment
- For example, the Maxwell equations are
$$\begin{aligned}\operatorname{rot} \vec{E} &= -\frac{1}{c} \frac{\partial \vec{B}}{\partial t}, \\ \operatorname{div} \vec{B} &= 0, \\ \operatorname{rot} \vec{B} &= \frac{1}{c} \frac{\partial \vec{E}}{\partial t} + \frac{4\pi}{c} \vec{j}, \\ \operatorname{div} \vec{E} &= 4\pi \rho_e\end{aligned}$$
- For good practice, don't terminate your sentence with a `.` ("dot") on a scientific poster

Yet Another posterbox

- You can choose between a `\heavybox` or a `\lightbox` (this one), or use the lower level `posterbox-environment`
- Several options for `\textborder` are available:
`none`
`bars`
`rectangle`
`onlyleft`
`onlytop`
`hookbox`
`hook`
- Lorem ipsum dolor sit amet, consectetur adipiscing elit ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis

$$e = mc^2$$

- Curabitur dictum gravida mauris nam arcu libero, nonummy eget, consectetur id, vulputate a, magna donec
- Pellentesque habitant morbi tristique senectus et netus

A Small Sidenote

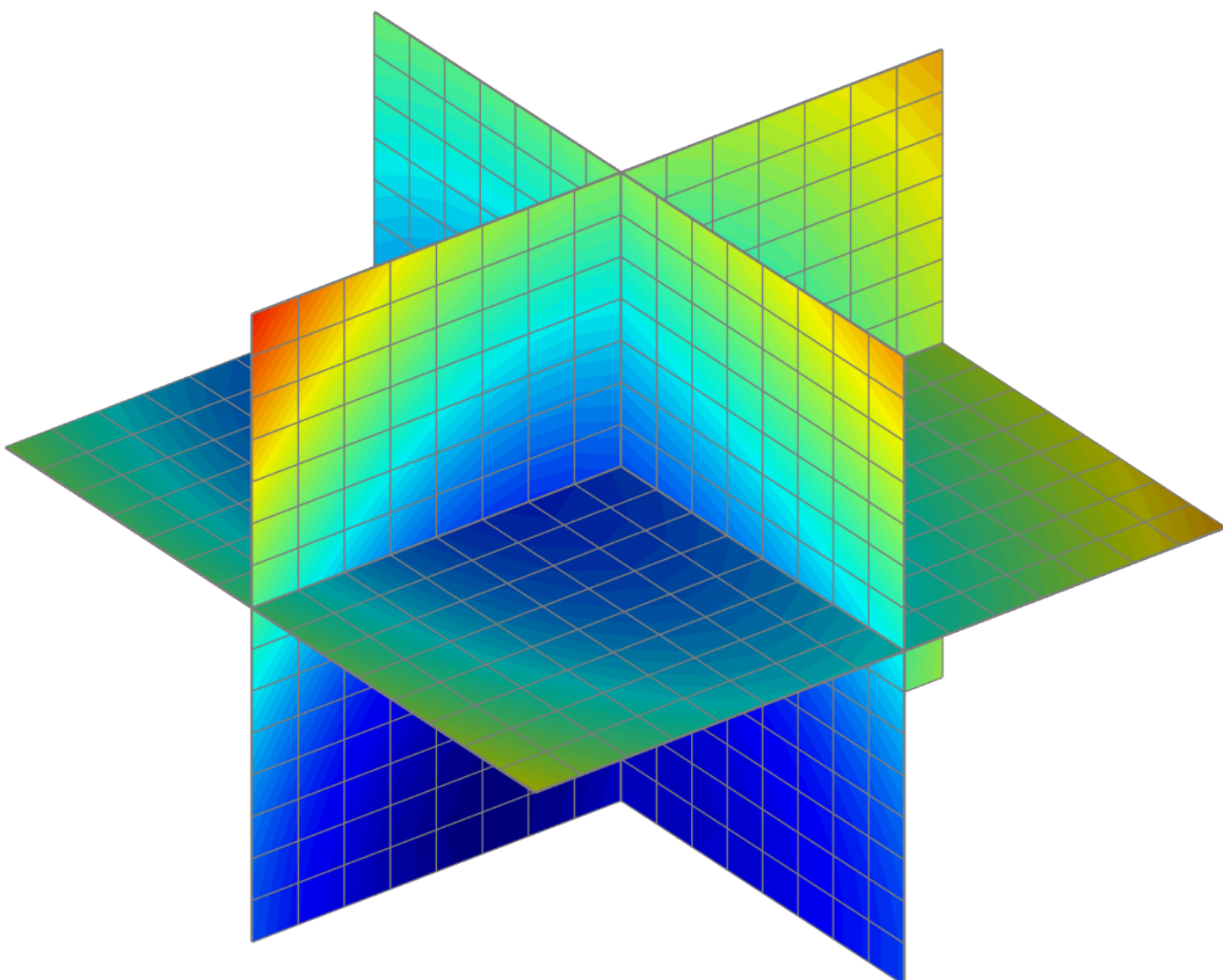
Notice At vero eos et accusamus et iusto odio dignissimos ducimus qui blanditiis praesentium voluptatum deleniti atque corrupti quos dolores et quas molestias excepturi sint occaecati cupiditate non provident

Solution Et harum quidem rerum facilis est et expedita distinctio nam libero tempore, cum soluta nobis est eligendi optio cumque nihil impedit:

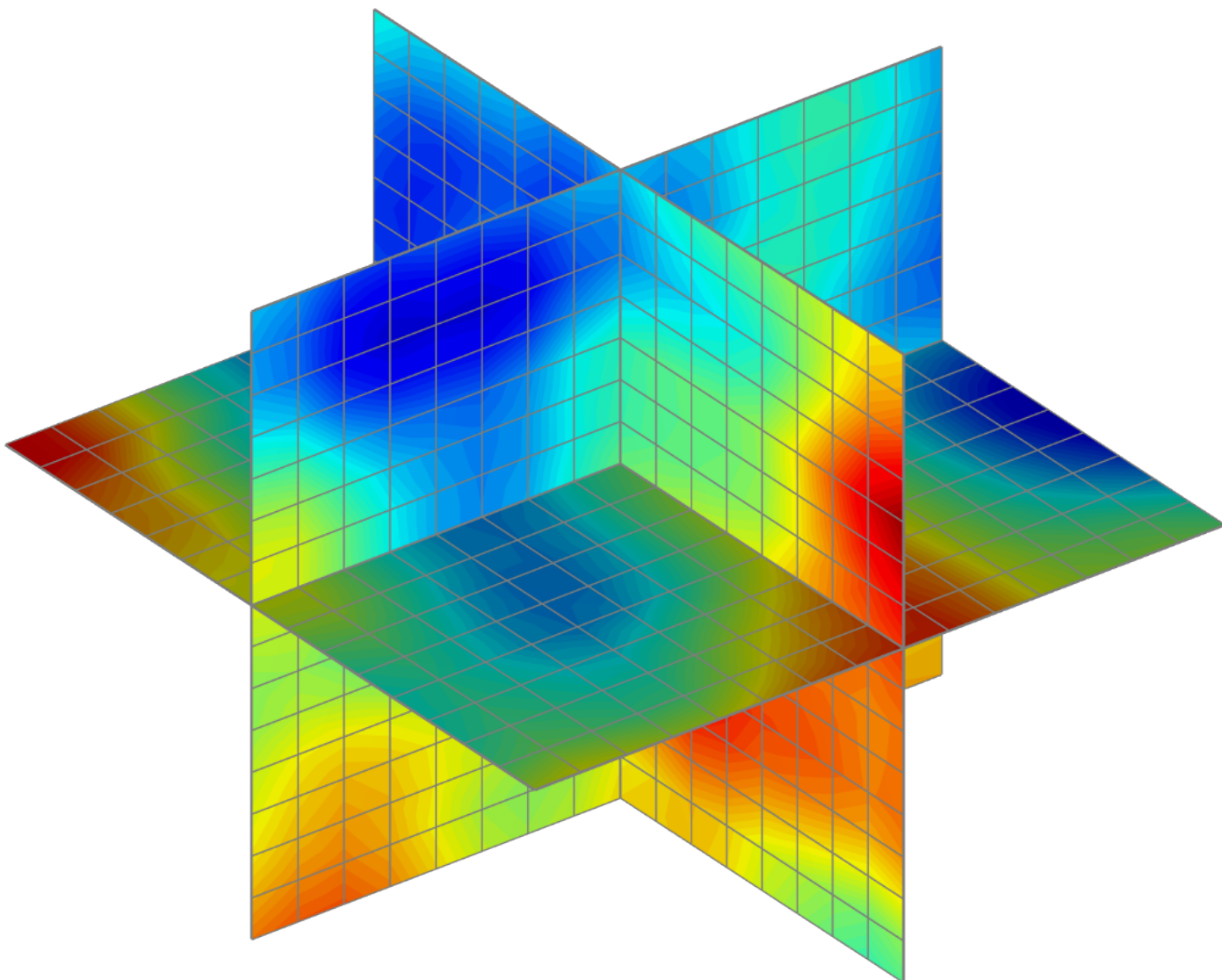
$$\int_0^\infty e^{-x^2} dx = \frac{\sqrt{\pi}}{2}$$

Nullam quis ante etiam sit amet orci eget eros faucibus tincidunt duis leo

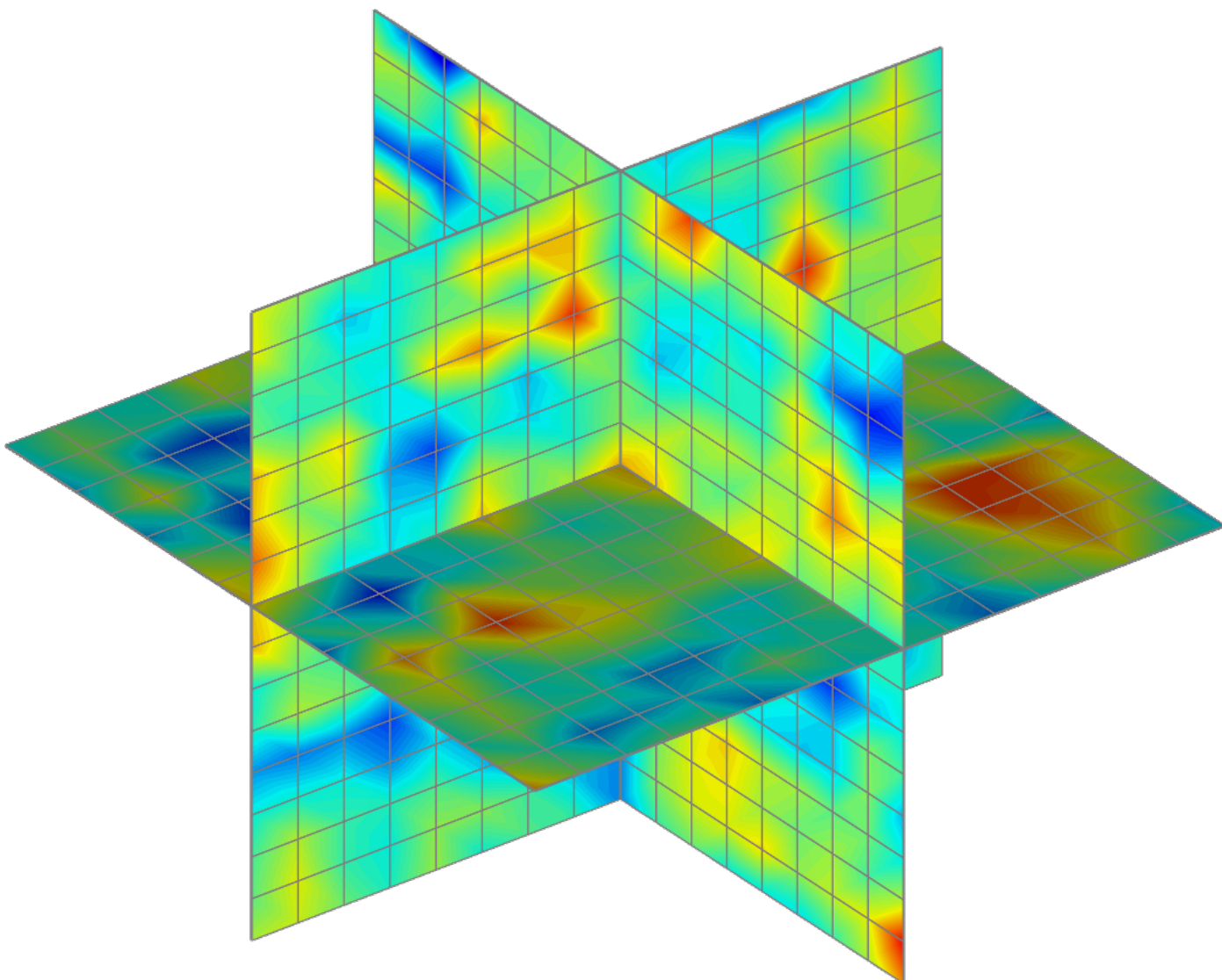
Some Figures



$$\Phi = \{1, 1, 2.5\}$$



$$\Phi = \{0.3, 1, 1\}$$



$$\Phi = \{0.1, 1, 0.5\}$$

The Method

- Maecenas vestibulum mollis diam pellentesque ut neque pellentesque habitant morbi tristique senectus et netus
- In dui magna, posuere eget, vestibulum et, tempor auctor, justo in ac felis quis tortor malesuada pretium pellentesque auctor neque nec urna proin sapien ipsum

$$F(x, y) = 0 \quad \text{and} \quad \begin{pmatrix} F''_{xx} & F''_{xy} & F'_x \\ F''_{yx} & F''_{yy} & F'_y \\ F'_x & F'_y & 0 \end{pmatrix} = 0$$

- Phasellus magna in hac habitasse platea dictumst

$$\begin{aligned}a_n &= \frac{1}{\pi} \int_{-\pi}^{\pi} f(x) \cos nx \, dx \\ &= \frac{1}{\pi} \int_{-\pi}^{\pi} x^2 \cos nx \, dx \\ b_n &= \frac{1}{\pi} \int_{-\pi}^{\pi} f(x) \sin nx \, dx \\ &= \frac{1}{\pi} \int_{-\pi}^{\pi} x^2 \sin nx \, dx\end{aligned}$$

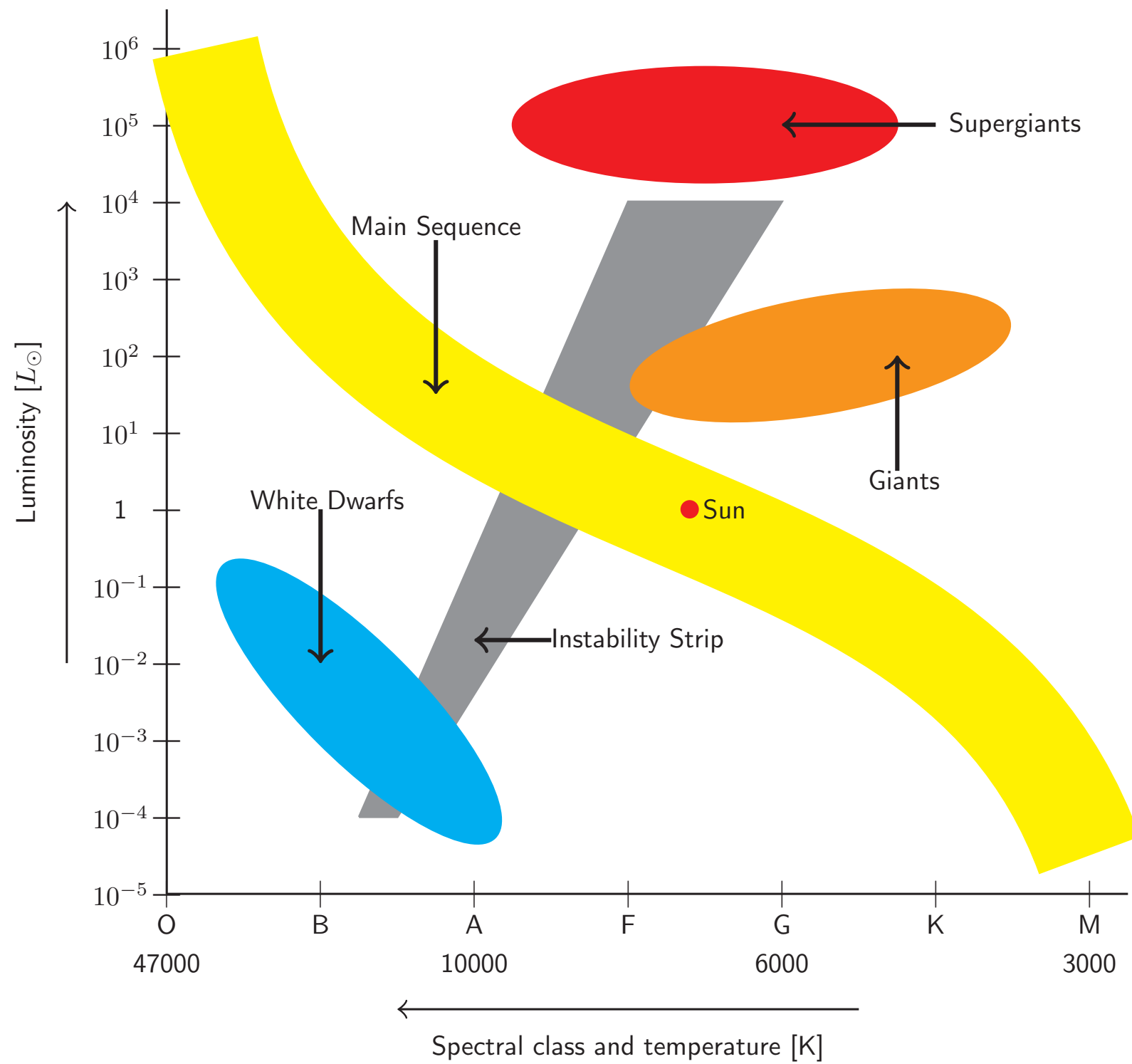
Simulation Details

- This is a list of countries

country	extension	code
Andorra	.ad	AD
United Arab Emirates	.ae	AE
Afghanistan	.af	AF
Antigua and Barbuda	.ag	AG
Anguilla	.ai	AI
Albania	.al	AL
Armenia	.am	AM
Angola	.ao	AO
Antarctica	.aq	AQ
Argentina	.ar	AR
American Samoa	.as	AS
Austria	.at	AT
Australia	.au	AU
Aruba	.aw	AW
Aaland Islands	.ax	AX
Azerbaijan	.az	AZ
Bosnia and Herzegovina	.ba	BA
Barbados	.bb	BB
Bangladesh	.bd	BD
Belgium	.be	BE

Results

The Hertzsprung–Russell diagram:



Conclusions

Summary We have shown a poster template for the Department of Computer Science of KU Leuven

Contribution The Department of Computer Science is the best!

References

[1] Aurentz, Jared L., Mach, T. and Vandebril, R., *Fast and Backward Stable Computation of Roots of Polynomials*, SIAM Journal on Matrix Analysis and Applications, 36(3):942–973, 2015.

[2] Cools, R. and Rabinowitz, P., *Monomial Cubature Rules since “Stroud”: a Compilation*, Journal of Computational and Applied Mathematics, 48(3):309–326, 1993.

[3] Einstein, A., *Zur Elektrodynamik bewegter Körper*. (German) [*On the Electrodynamics of Moving Bodies*], Annalen der Physik, 322(10):891–921, 1905.