Département des Technologies de l'information et de la communication (TIC)
Information Security

Report

Report title

Teaching unit: Course Name

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1 Maths

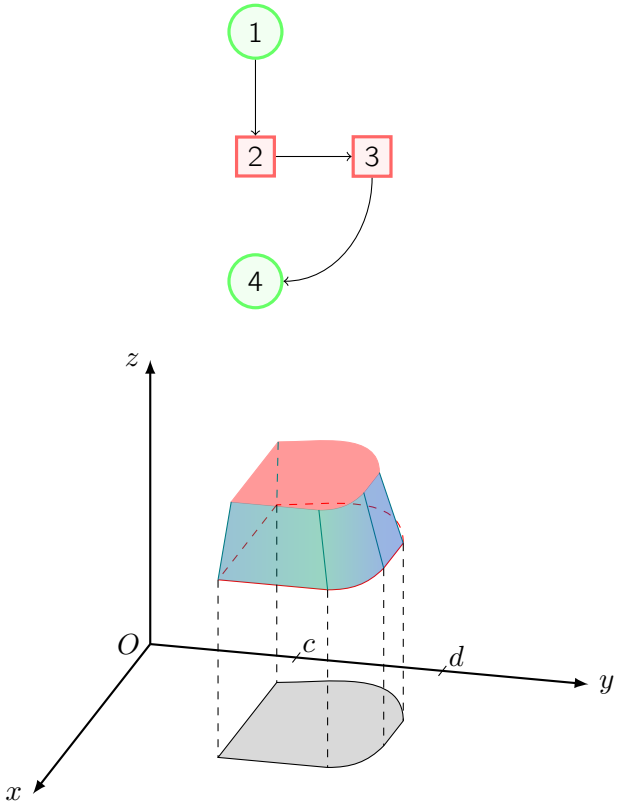
Hi everyone!

Theorem 1.1 (Stokes' theorem)
Let Σ be a smooth oriented surface in $\mathbb{R}^3$ with boundary $\partial\Sigma$. If a vector field $F(x,y,z) = (F_x(x,y,z), F_y(x,y,z), F_z(z,y,z))$ is defined and has continuous first order partial derivatives in a region containing Σ then

$$\iint_\Sigma (\nabla \times F) \cdot d^2\Sigma = \oint_{\partial\Sigma} F \cdot d\Gamma$$

2 TikZ

Tikz example:



3 Code listing

Minted environment must use shell-escape and pygments!

```c
#include <stdio.h>
void main(int argc, char **argv) {
    printf("Hello world!\n");
}
```