

## 幾何学特論 A1 (MTH.B405) 講義資料 5

### お知らせ

- 今回の課題は「第 IV 回・第 V 回の問題のうちから一つを選択して解答する」です。

### 前回までの訂正

- 講義ノート 41 ページ (4.6) 式:

$$K_{\text{ext}} = \frac{1}{EG - F^2} \times (E(\Gamma_{22u}^1 + \Gamma_{22}^1\Gamma_{11}^1 + \Gamma_{22}^2\Gamma_{21}^1 - \Gamma_{12v}^1 - \Gamma^1 12\Gamma_{12}^1 - \Gamma_{12}^2\Gamma_{22}^1) \\ + F(\Gamma_{22u}^2 + \Gamma_{22}^1\Gamma_{11}^2 + \Gamma_{22}^2\Gamma_{21}^2 - \Gamma_{12v}^2 - \Gamma^1 12\Gamma_{12}^2 - \Gamma_{12}^2\Gamma_{22}^2))$$

⇒

$$K_{\text{ext}} = \frac{1}{EG - F^2} \times (E(\Gamma_{22u}^1 + \Gamma_{22}^1\Gamma_{11}^1 + \Gamma_{22}^2\Gamma_{21}^1 - \Gamma_{12v}^1 - \Gamma_{12}^1\Gamma_{12}^1 - \Gamma_{12}^2\Gamma_{22}^1) \\ + F(\Gamma_{22u}^2 + \Gamma_{22}^1\Gamma_{11}^2 + \Gamma_{22}^2\Gamma_{21}^2 - \Gamma_{12v}^2 - \Gamma_{12}^1\Gamma_{12}^2 - \Gamma_{12}^2\Gamma_{22}^2))$$

- 講義ノート 41 ページ, 下から 4 行目:  $\langle f_{vuu}, f_u \rangle = \langle f f_{uvv}, f_u \rangle \Rightarrow \langle f_{vuu}, f_u \rangle = \langle f_{uvv}, f_u \rangle$
- 講義ノート第 IV 節: 漢字「型式」を「形式」に修正。