LECTURE XV. SUMMARY

In these concluding remarks I shall summarize the basic ideas of this series of lectures and raise a few questions about possible future work. In particular I shall try to emphasize the desirability of carrying out this work at various levels of abstraction, especially the lowest and the highest. I shall also make a few comments on the bibliography.

Let us recall the basic diagram, as it was presented in the fourteenth lecture:

The linear mappings in this diagram are assumed to satisfy the following conditions:

$$(2) E \circ T = 0$$

$$\gamma = E \circ \beta \circ l_0$$

$$I_{z_0} = \iota_0 \circ E_0 + T_0 \circ U_0.$$

From these assumptions we easily concluded that

(5)
$$\mathsf{E} \circ \beta - \gamma \circ \mathsf{E}_0 = \mathsf{E} \circ (\beta \circ \mathsf{T}_0 - \mathsf{T} \circ \alpha) \circ \mathsf{U}_0.$$