Differential Crossed-Modules

February-16-14    12:13 PM

2: \( h \rightarrow g \) w/ action of \( g \) on \( h \) by derivations,

\[ \text{s.t.: (1) } \ \alpha(gh) = [g, \alpha h] \]
\[ \text{(2) } (\alpha h)\beta = [h, \beta] \]

In diagrammatics, with \( h \) in blue and \( g \) in red, this is:

\[ \text{Such that} \]
1. Jacobi/FH X in red & blue.
2. Act by derivations:

\[ \text{3. Axiom (1):} \]

\[ \text{4. Axiom (2):} \]