

# General Systems Theory Development



| Mathematics                                  | General Systems Theory   | Specialized Disciplines  |
|--|--|--|
| Formal Mathematical Theory<br>(all existing) | Formal Mathematical Theory<br>(for General Systems)  | Formal Mathematical Theory<br>(for General Systems)  |
| <i>Object</i> Language                       | <i>Object</i> Language   | <i>Object</i> Language   |
|  | Informal General Systems<br>Descriptions   | Informal General Systems<br>Descriptions   |
|  | <i>Meta</i> Language<br>(Natural language used to<br>describe context and <i>Object</i><br>Language) | <i>Meta</i> Language<br>(Natural language used to<br>describe context and <i>Object</i><br>Language) |
|  |  | Formal Mathematical Theory<br>(for Specialized Disciplines)  |
|  |  | <i>Object</i> Language   |
|  |  | Informal Discipline-Specific<br>Systems Descriptions   |
|  |  | <i>Meta</i> Language<br>(Natural language used to<br>describe context and <i>Object</i><br>Language) |