





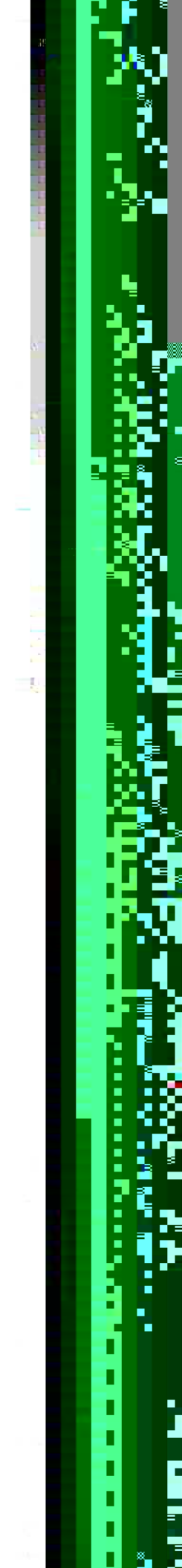


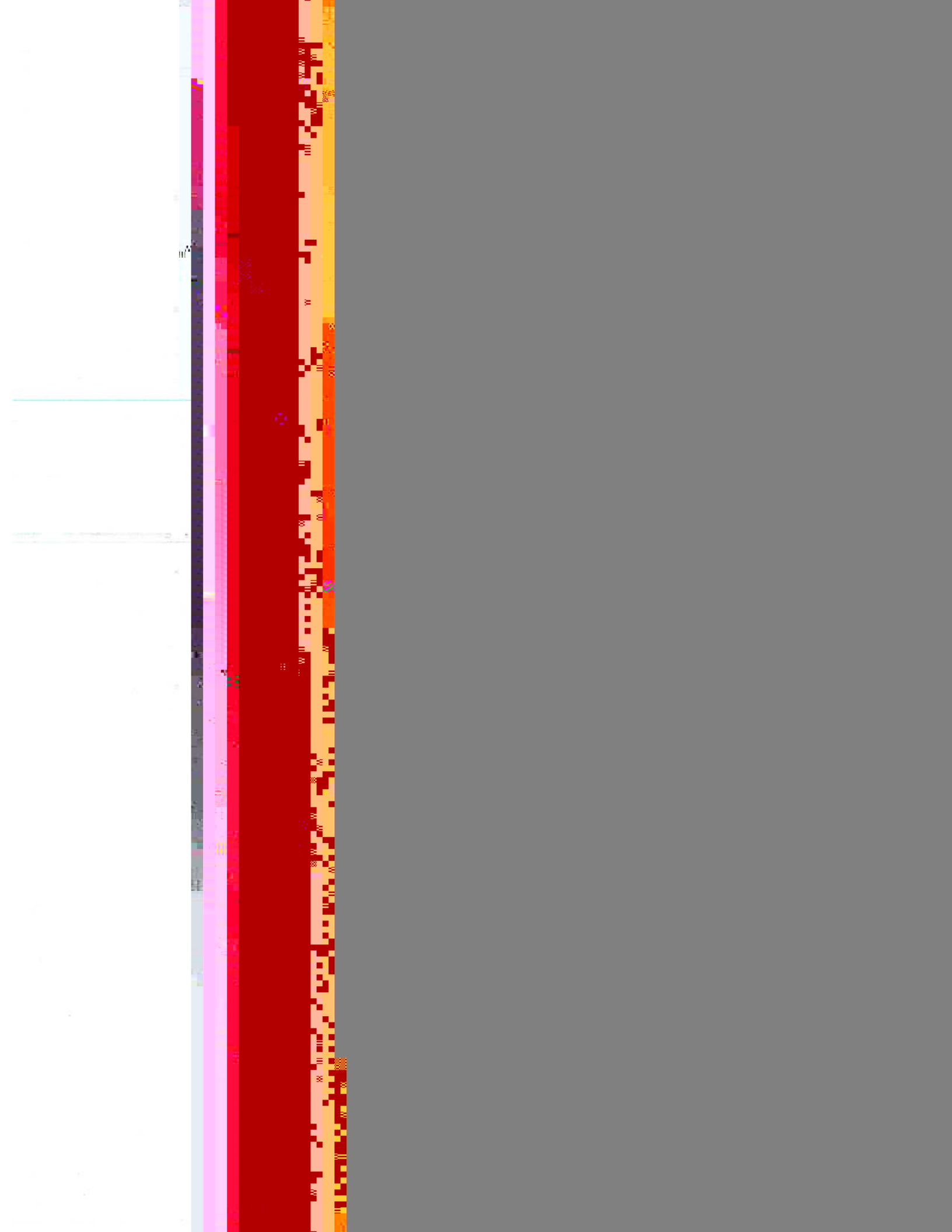




**ABSTRACT**

## INTRODUCTION





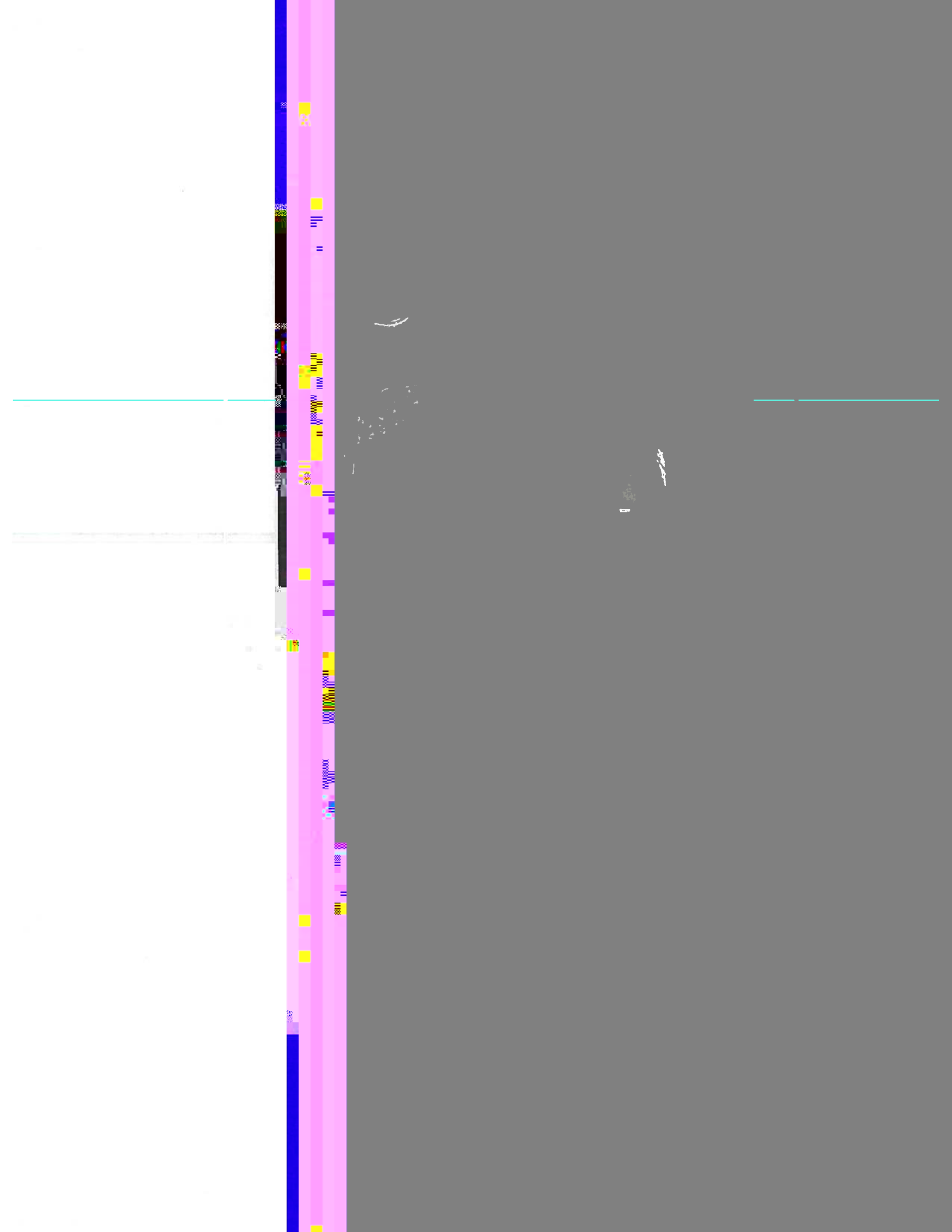


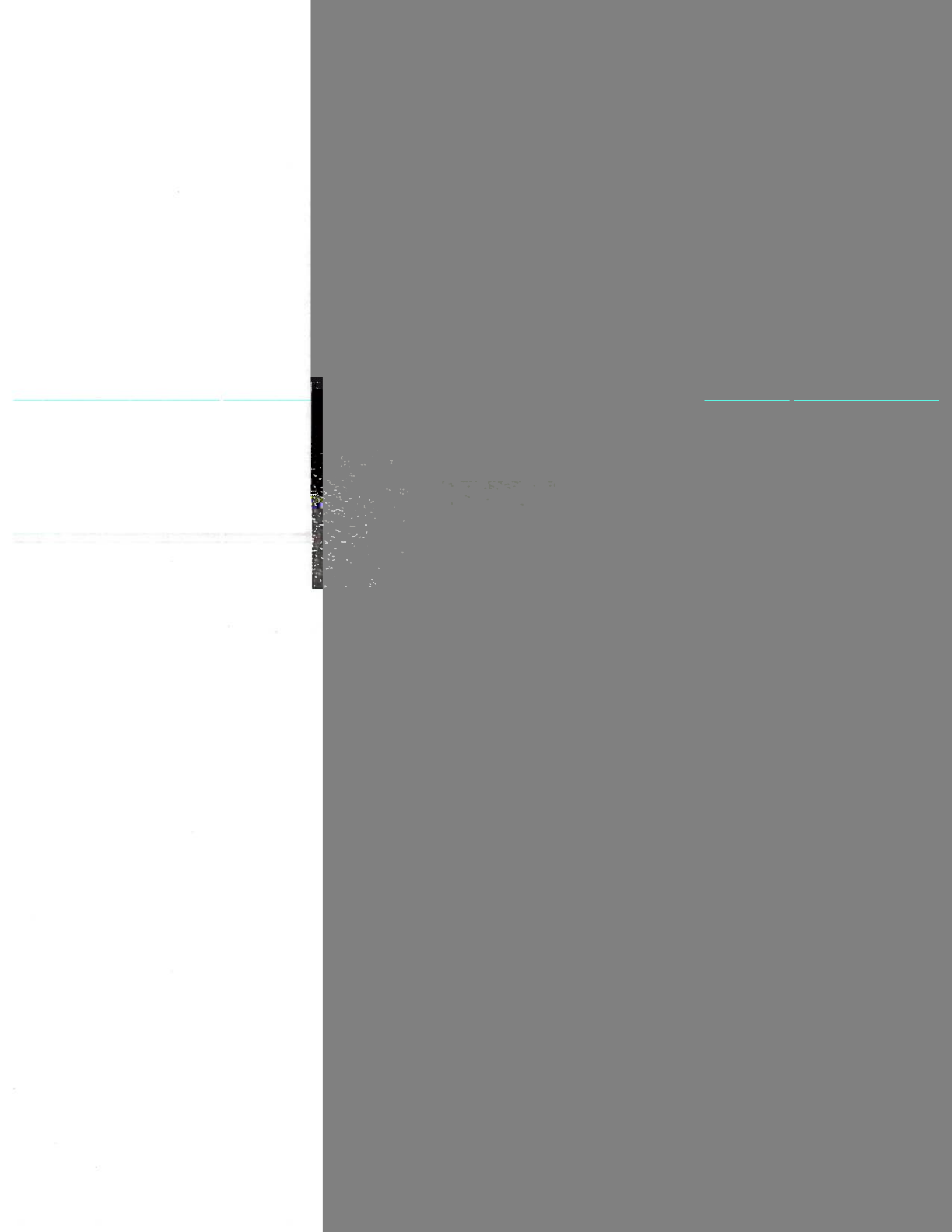




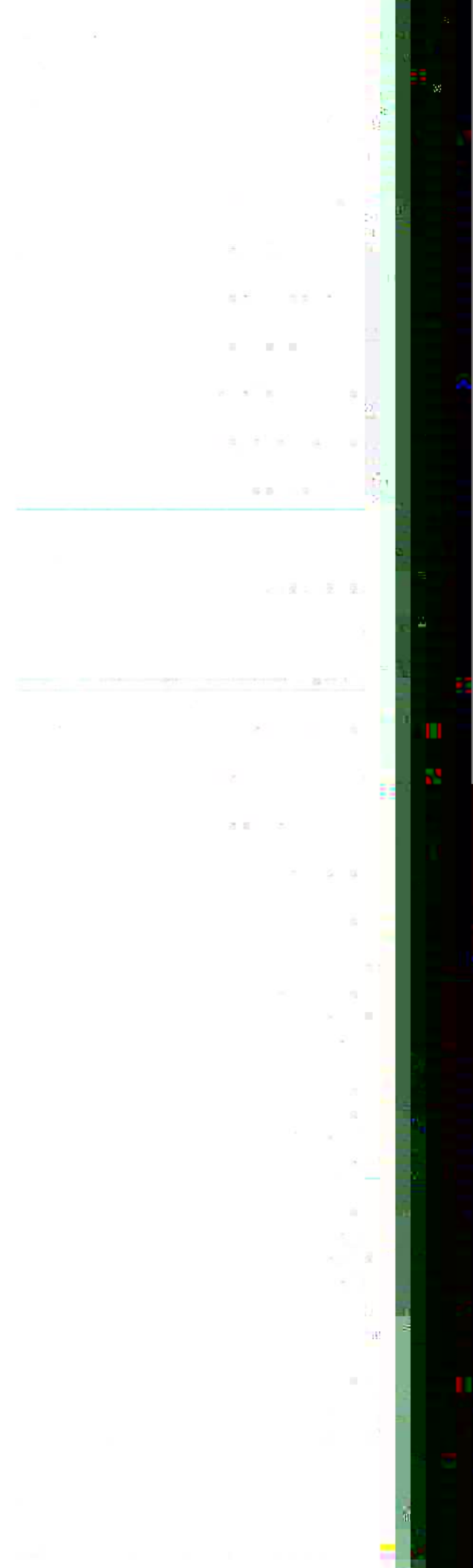
## MATERIALS

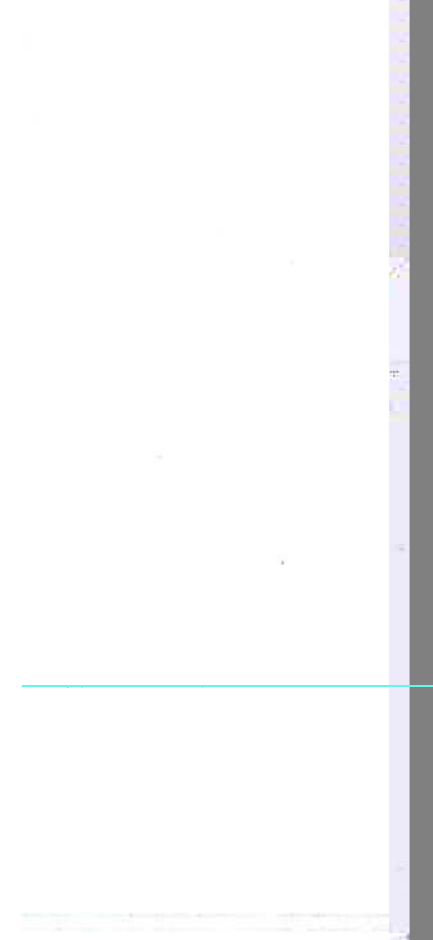










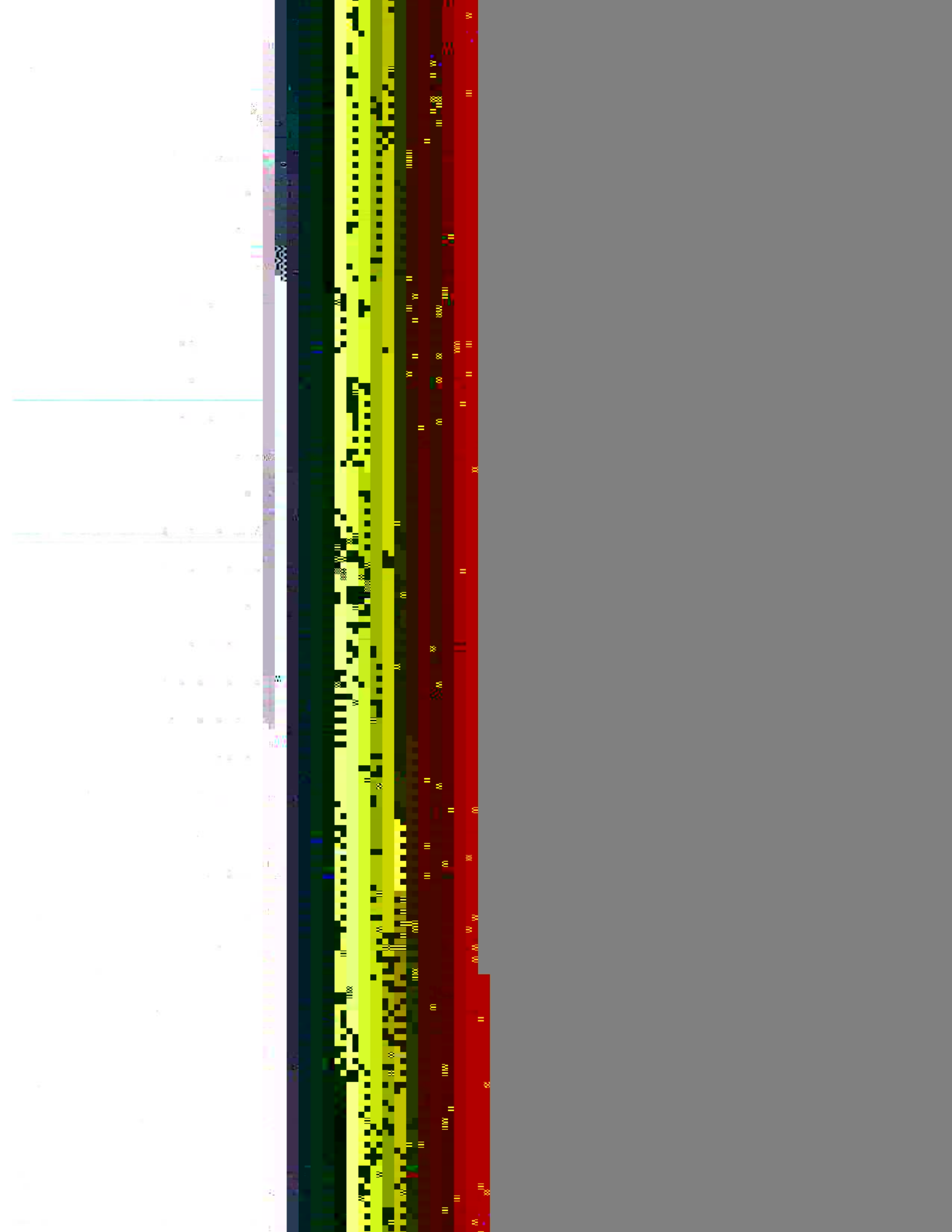




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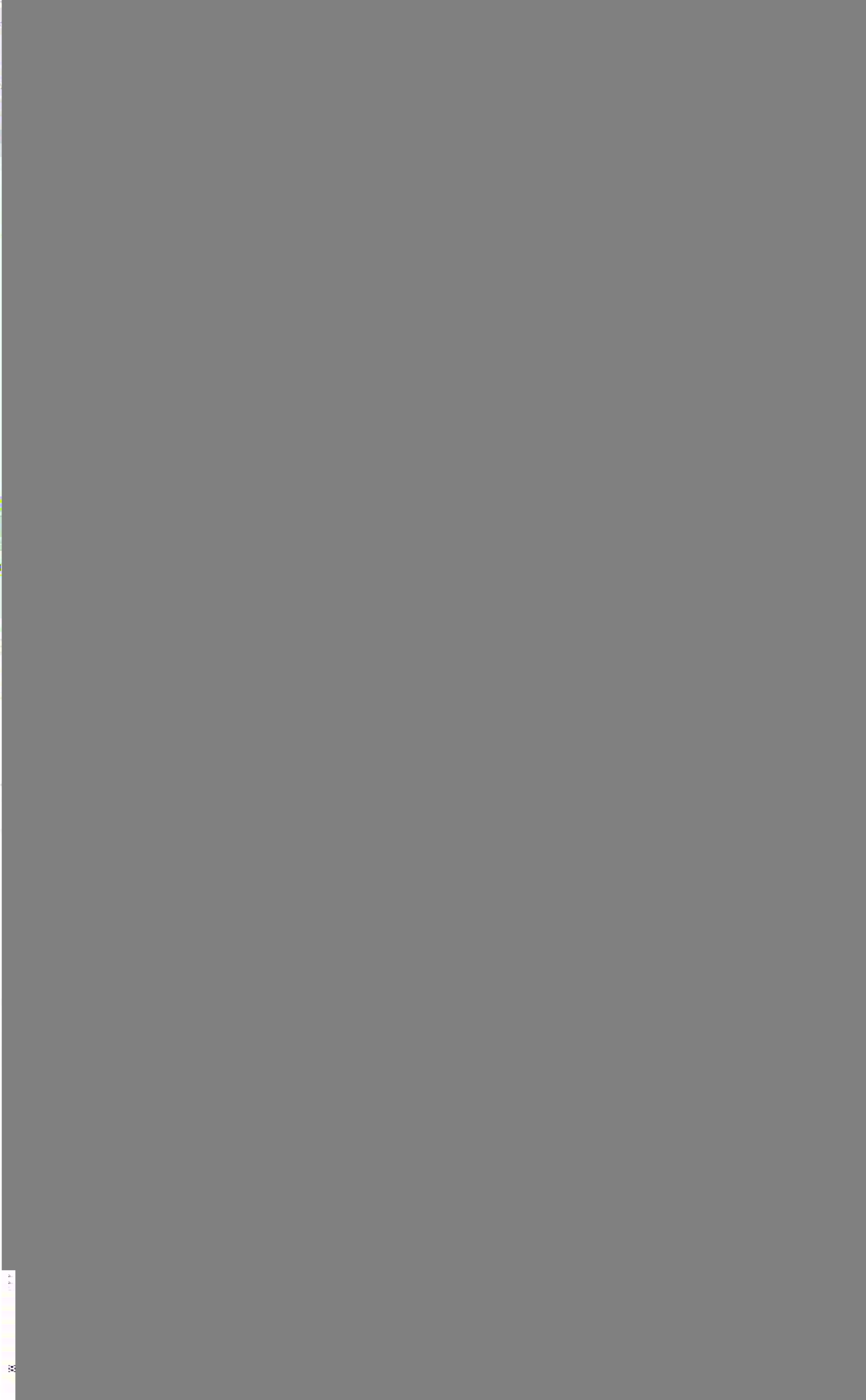
















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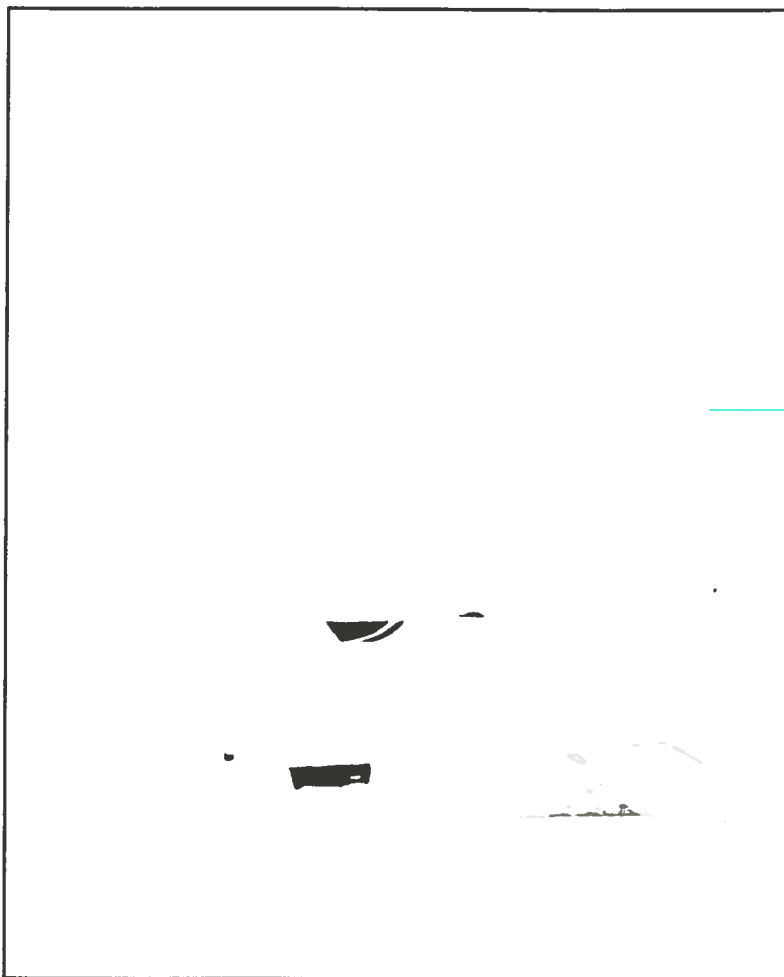


Figure 6 Cross profile setup for clinical cones with film placed at 102.8cm with 2.8cm of buildup (polystyrene) with film placed perpendicular to the beam.

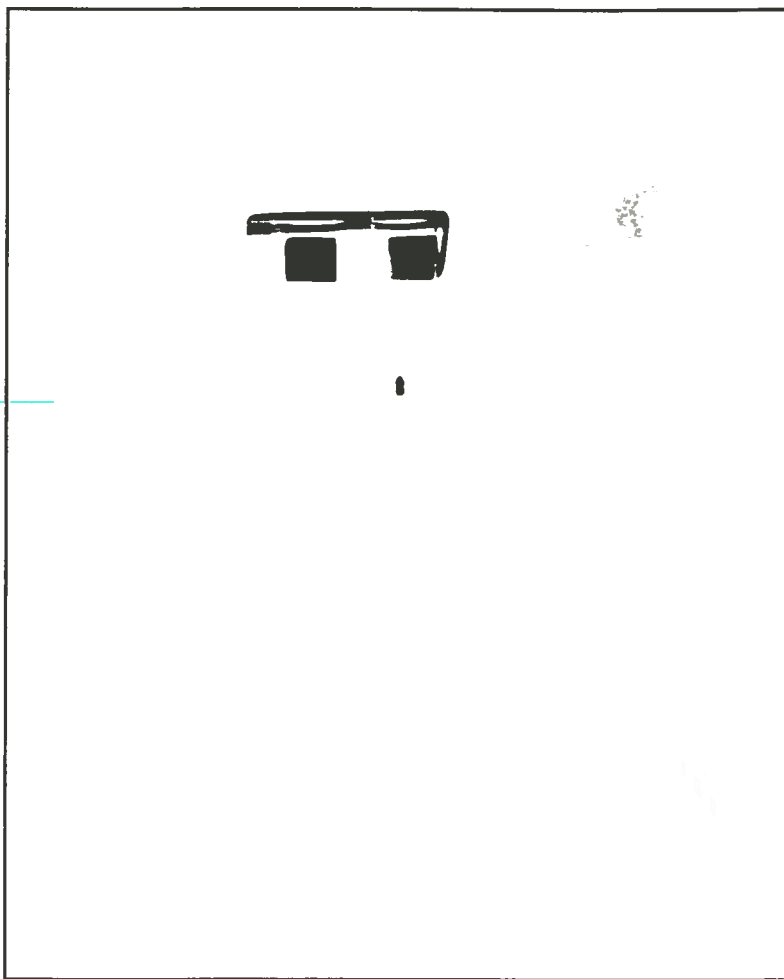
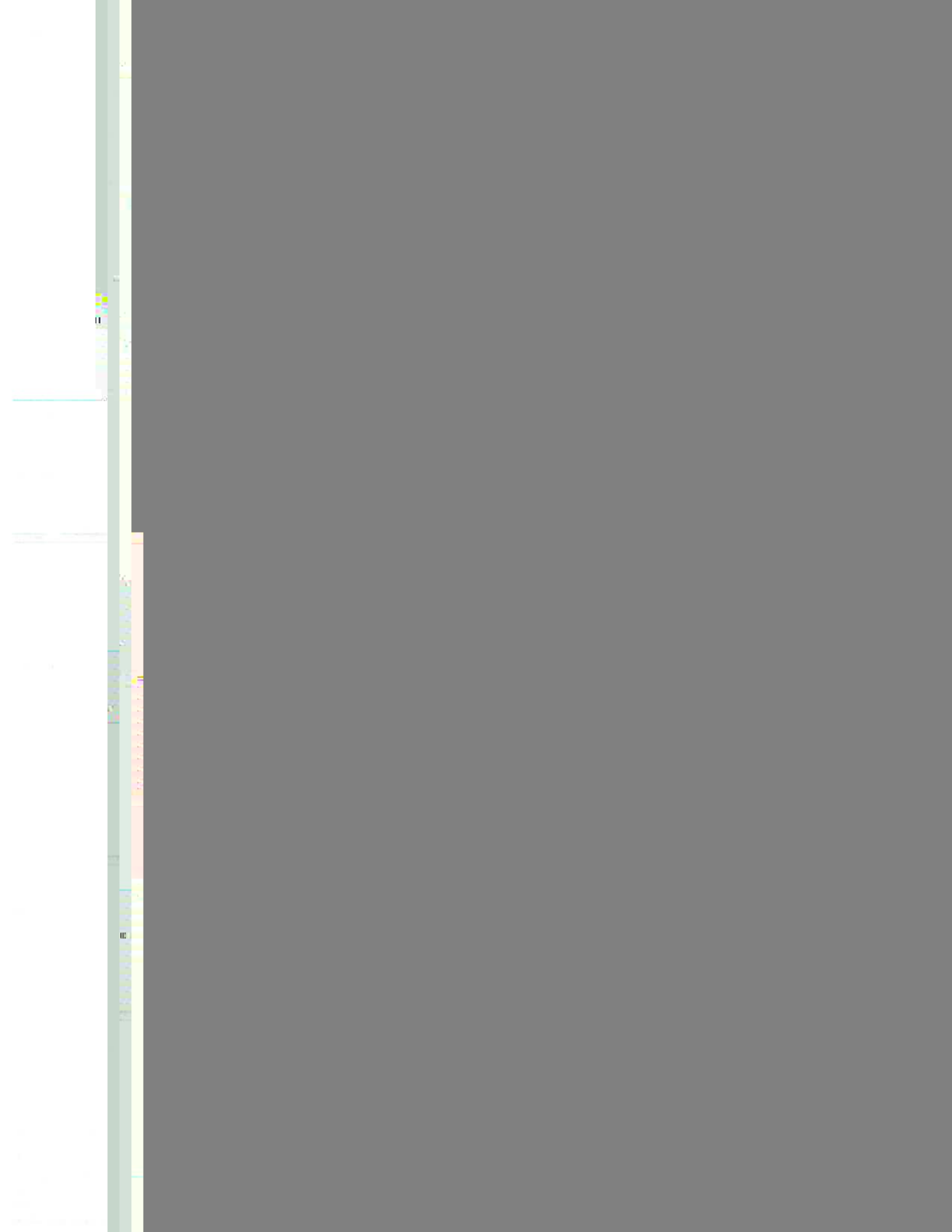


Figure 7 Cross profile setup for film placed parallel to beam central axis with top of phantom placed at 100cm SSD.







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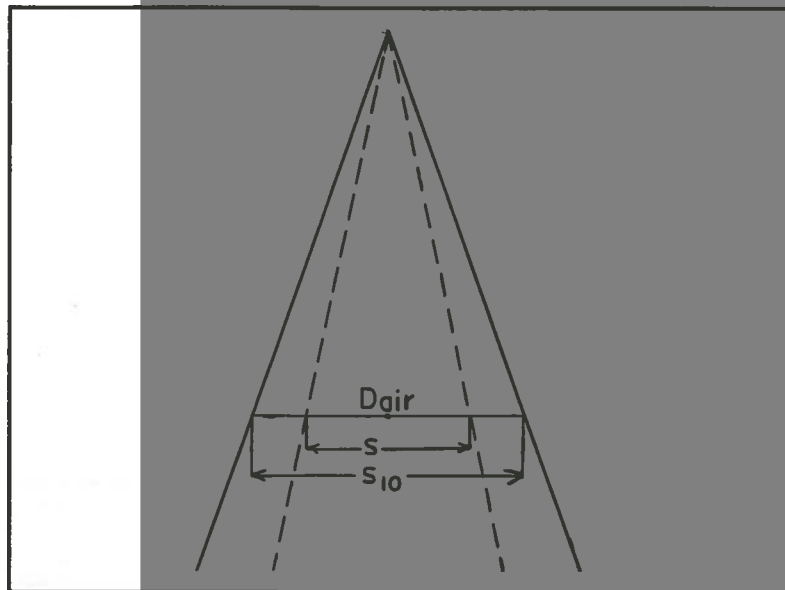












**Figure 11** The field size dependence in air is determined from the equation  $S_c(s) = D_{\text{air}}(s) / D_{\text{air}}(s_{10})$  following the setup above.







1. The first part of the text discusses the importance of maintaining accurate records in a laboratory setting. It emphasizes that proper documentation is essential for ensuring the reliability and reproducibility of experimental results. This includes recording the date, time, and location of each experiment, as well as the names of the individuals involved and the specific procedures followed.

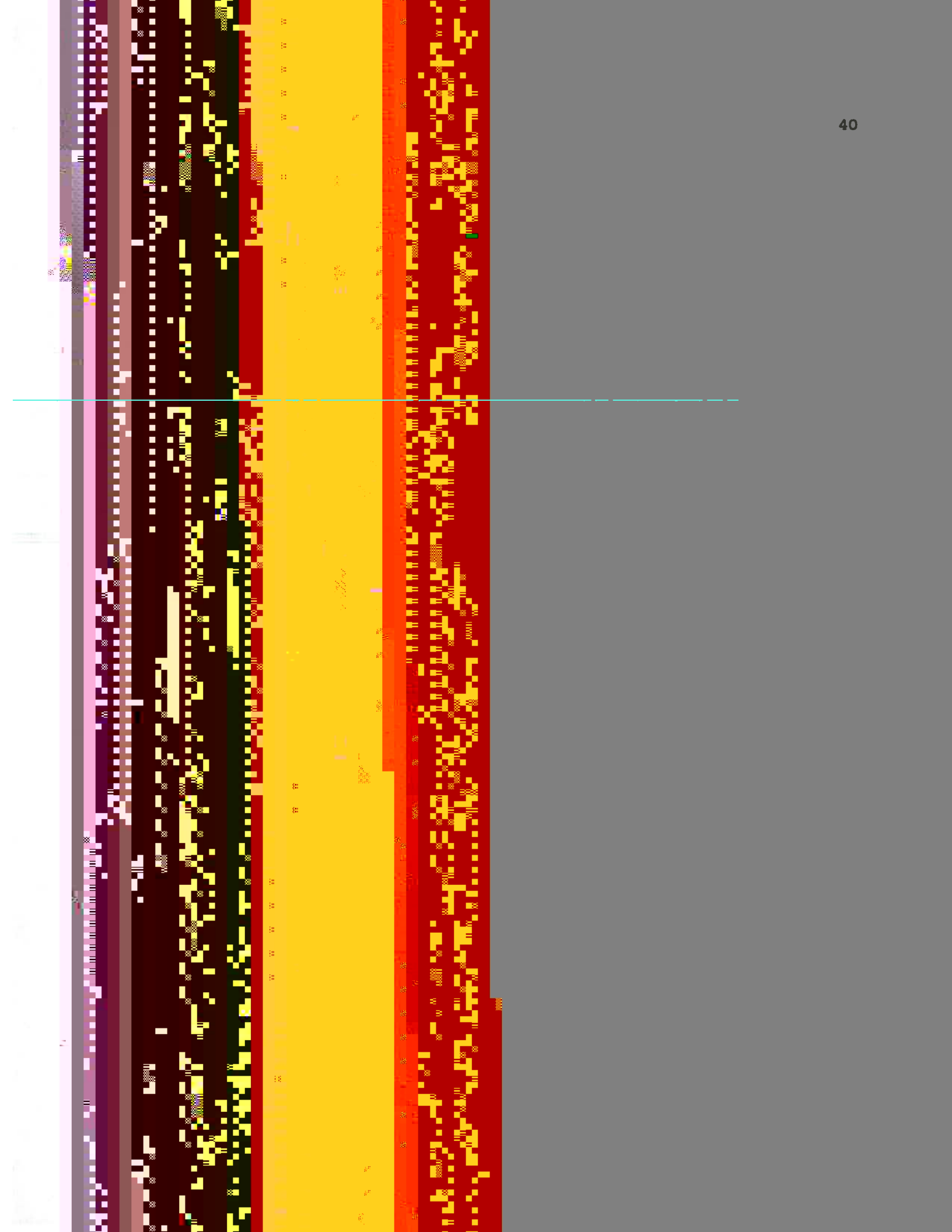
2. The second part of the text focuses on the role of safety protocols in a laboratory environment. It highlights the need for all personnel to be thoroughly trained in safety procedures and to adhere strictly to these protocols at all times. This includes wearing appropriate personal protective equipment (PPE), such as lab coats, gloves, and safety glasses, and following established guidelines for handling hazardous materials and equipment.

3. The third part of the text addresses the importance of effective communication in a laboratory setting. It stresses that clear and concise communication is crucial for ensuring that all team members are aware of their roles and responsibilities, and for facilitating the timely resolution of any issues that may arise. This includes providing regular updates on the progress of ongoing experiments and being open to receiving feedback from colleagues.



4. The fourth part of the text discusses the importance of maintaining a clean and organized laboratory environment. It emphasizes that a well-maintained workspace is essential for ensuring the accuracy and safety of experiments. This includes regularly cleaning work surfaces, disposing of waste properly, and ensuring that all equipment is properly calibrated and maintained.

5. The fifth part of the text focuses on the importance of staying up-to-date on the latest research and developments in the field. It stresses that continuous learning and professional development are essential for ensuring that laboratory personnel are equipped with the most current knowledge and skills needed to conduct cutting-edge research.









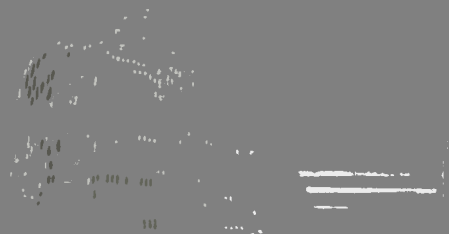




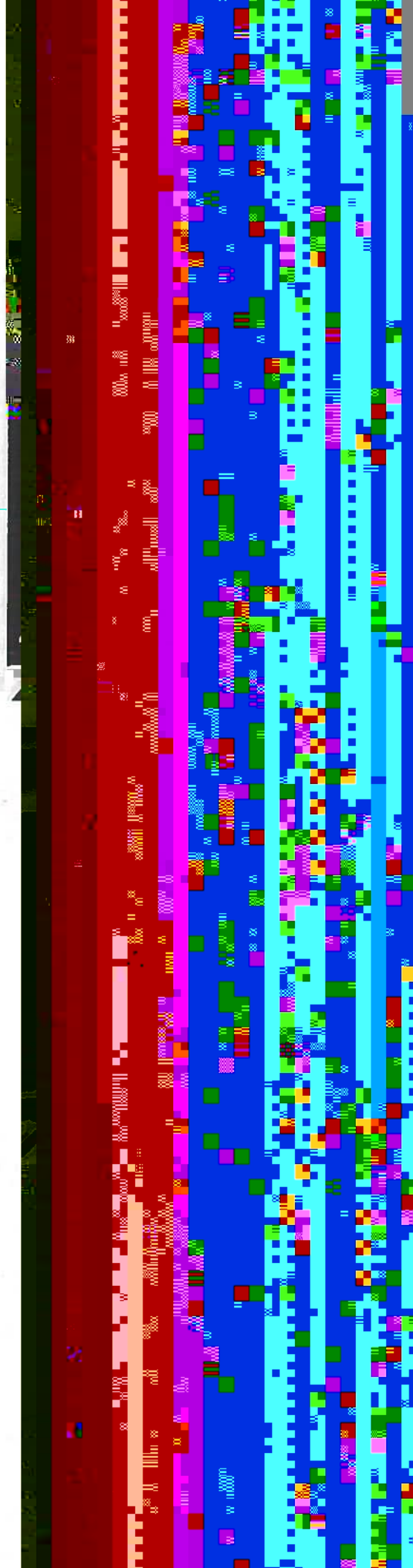




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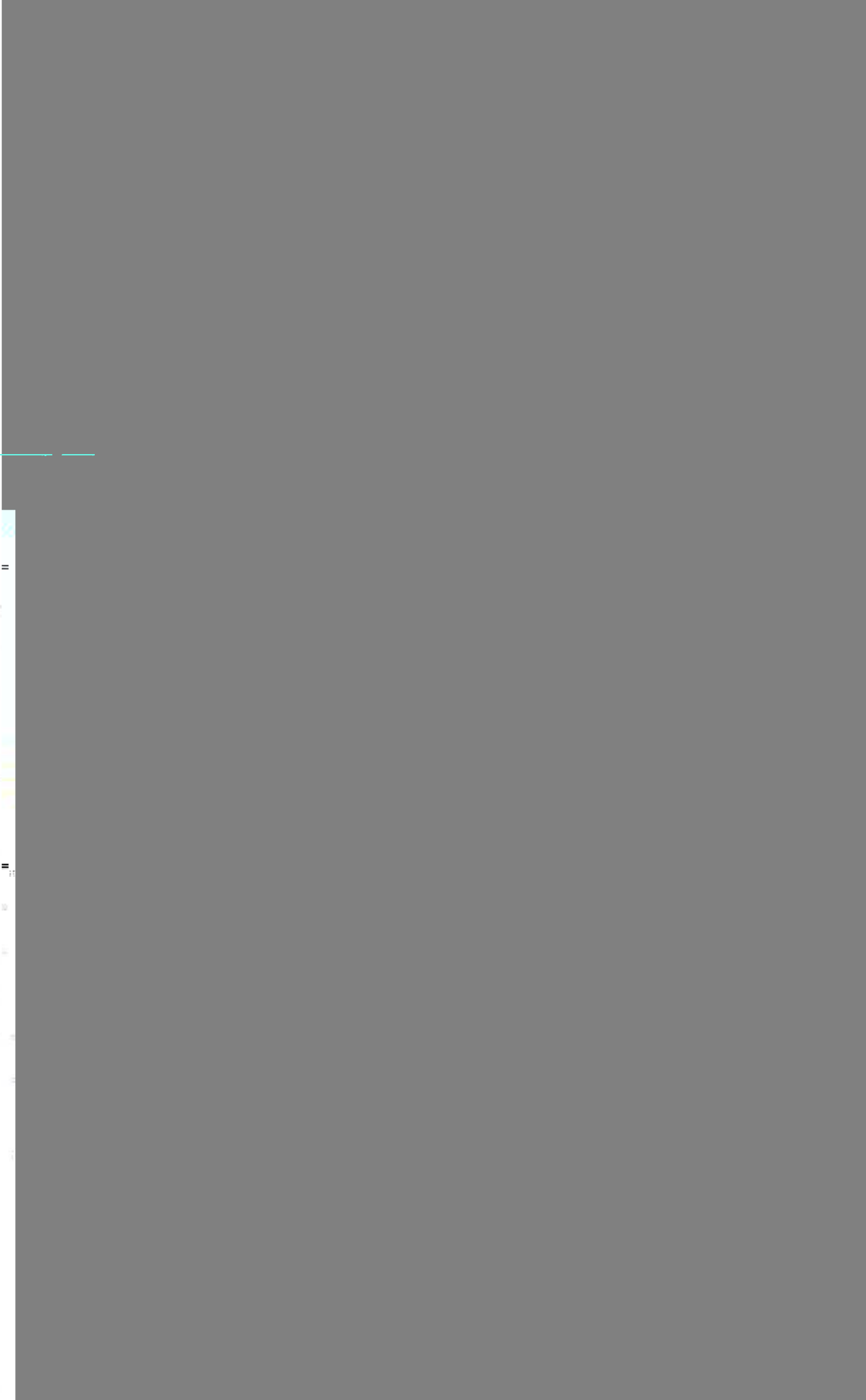
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## RESULTS AND DISCUSSION

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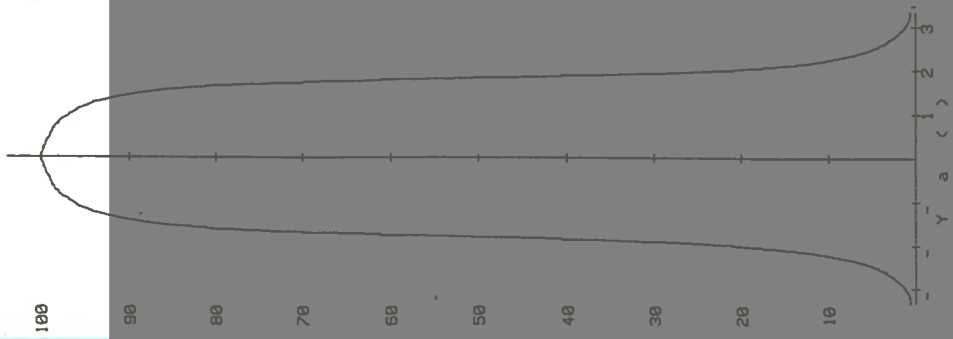
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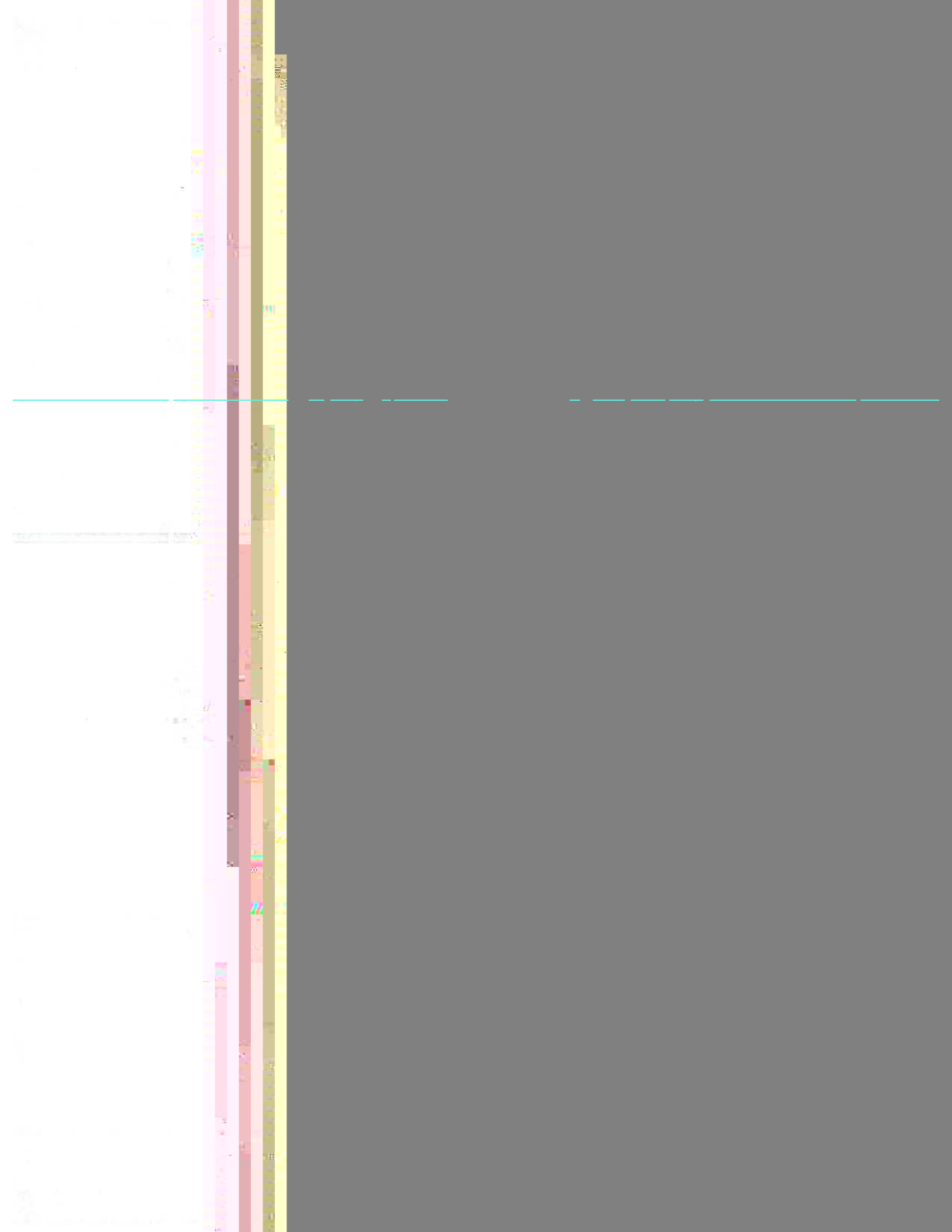


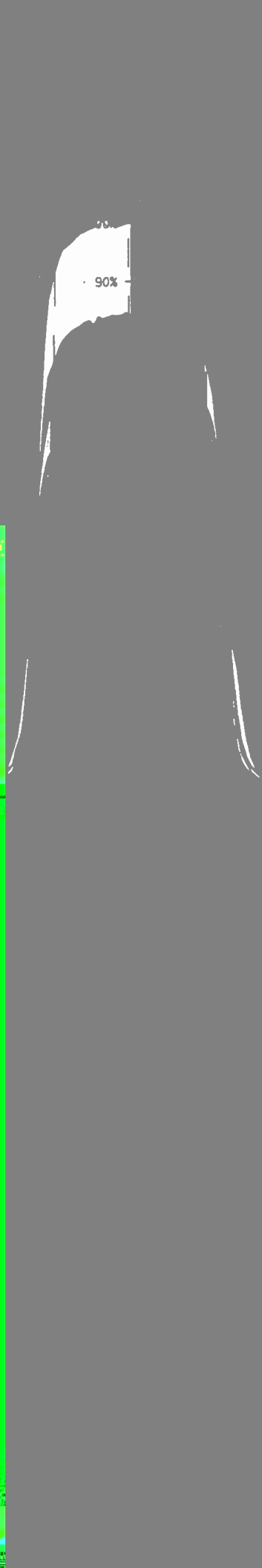
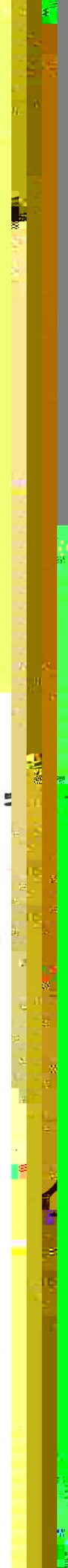


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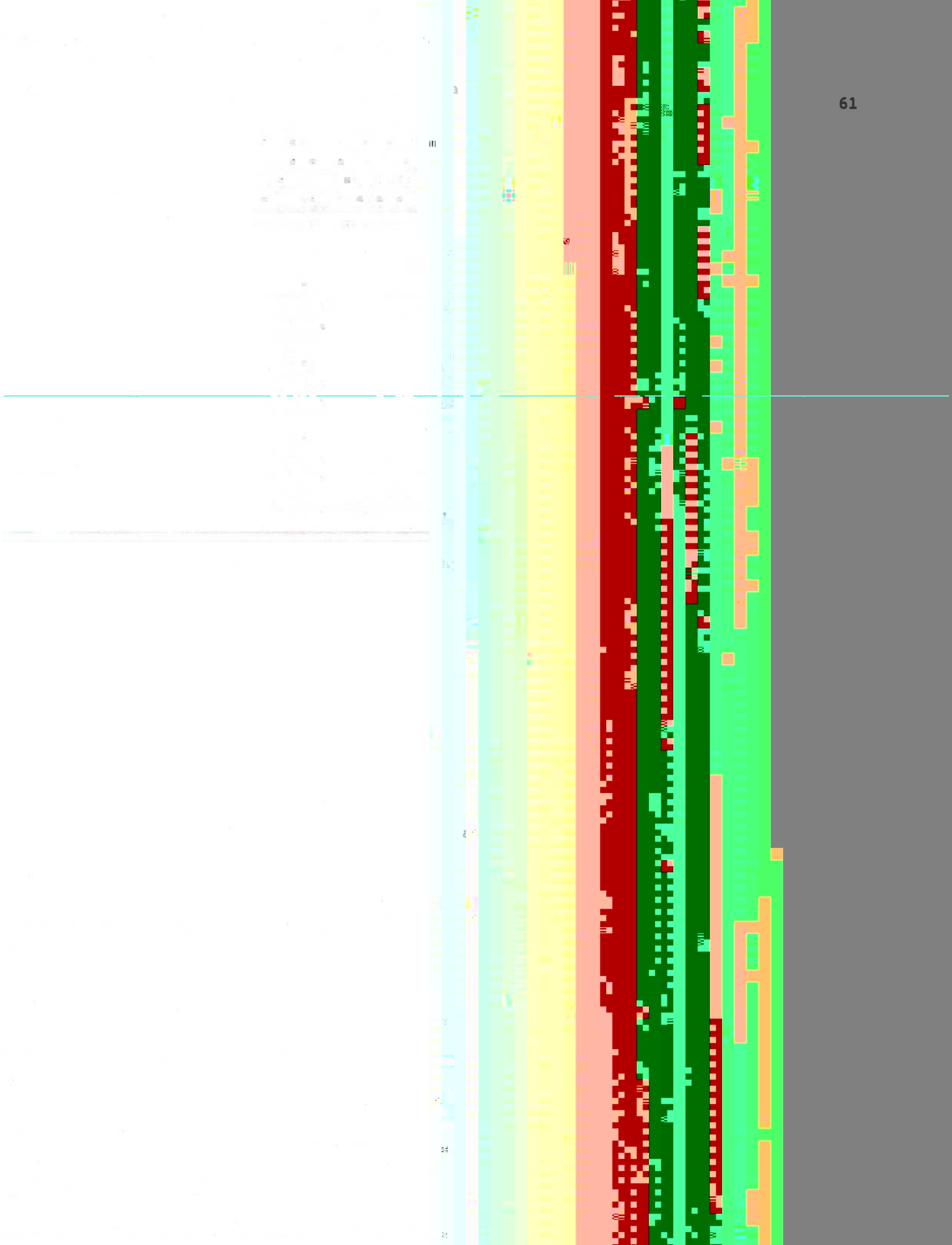


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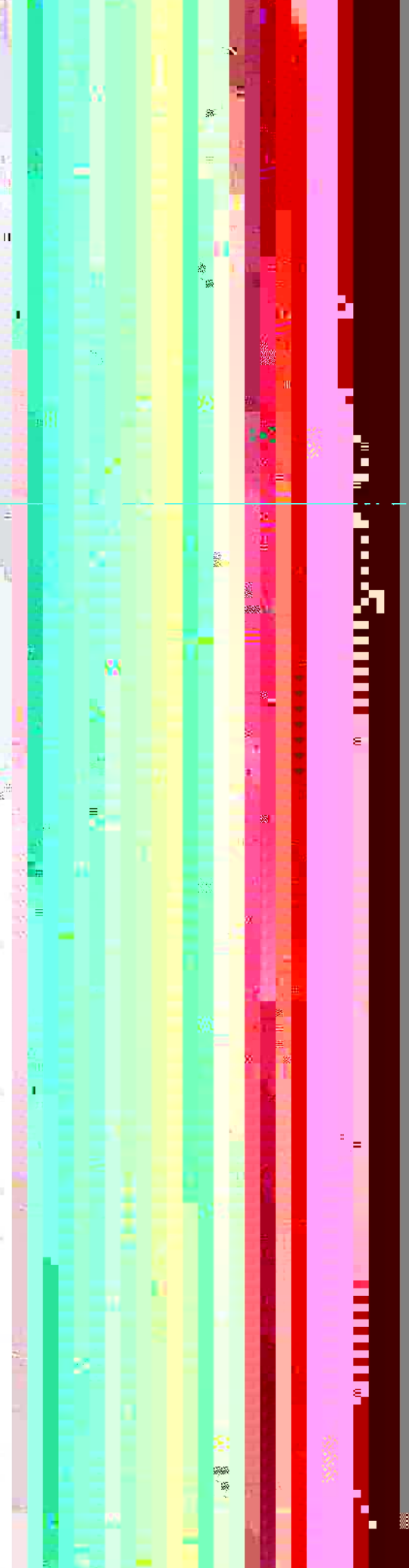
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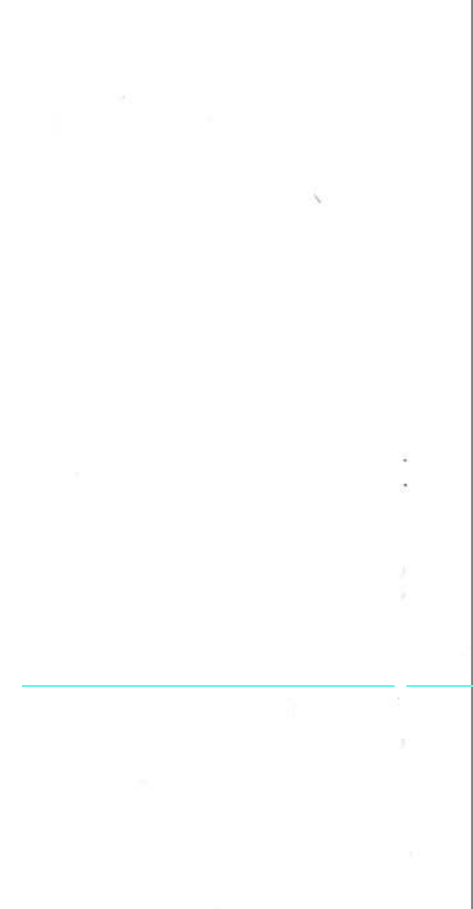




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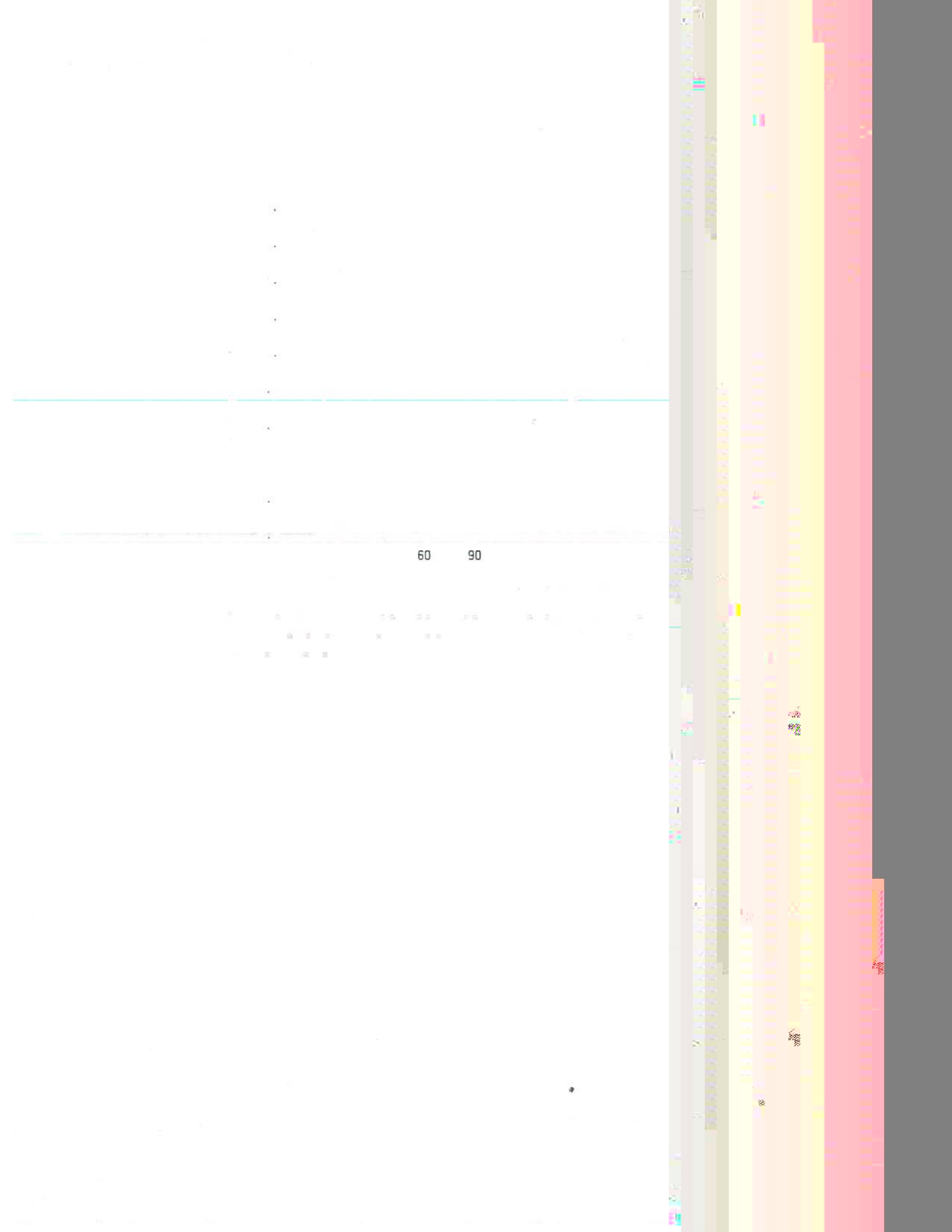




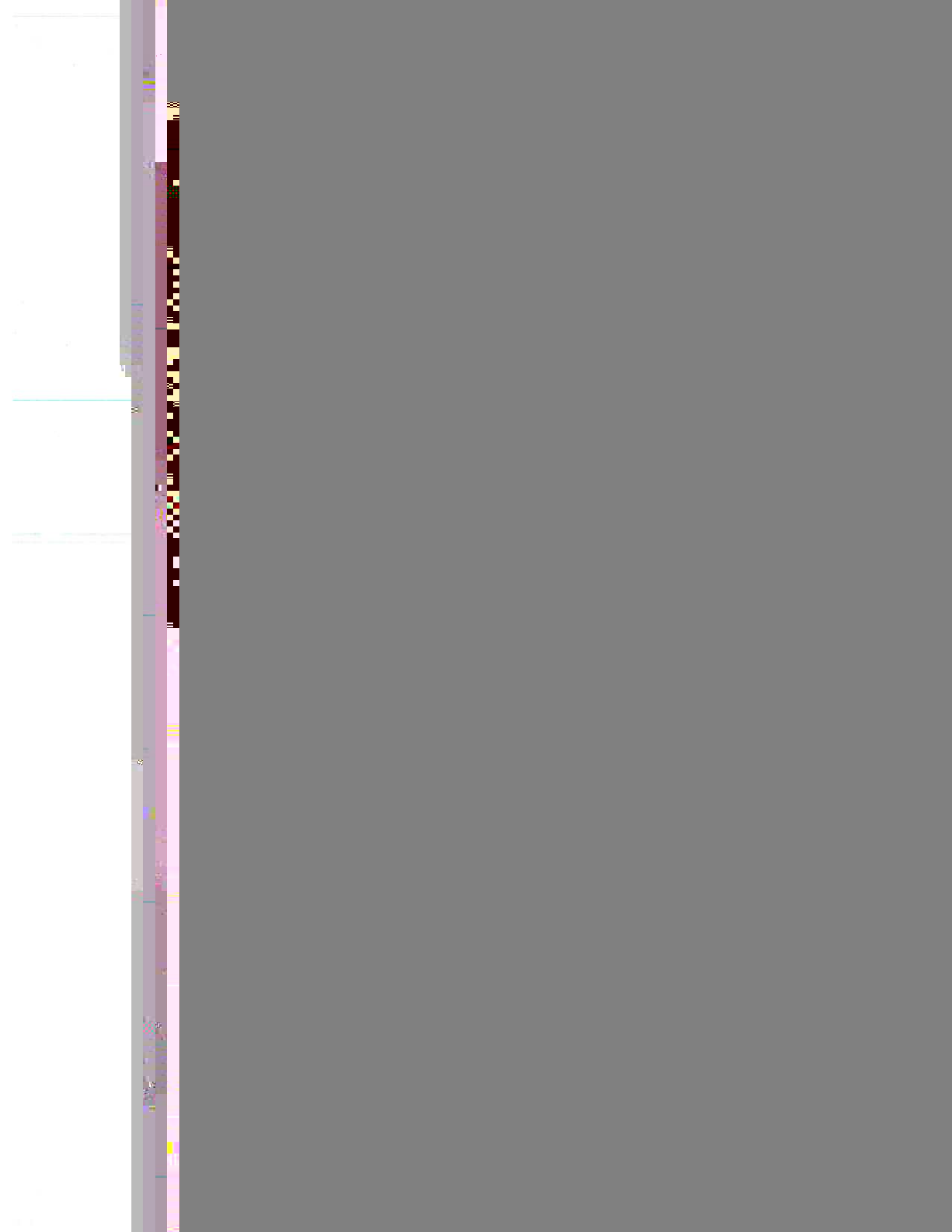


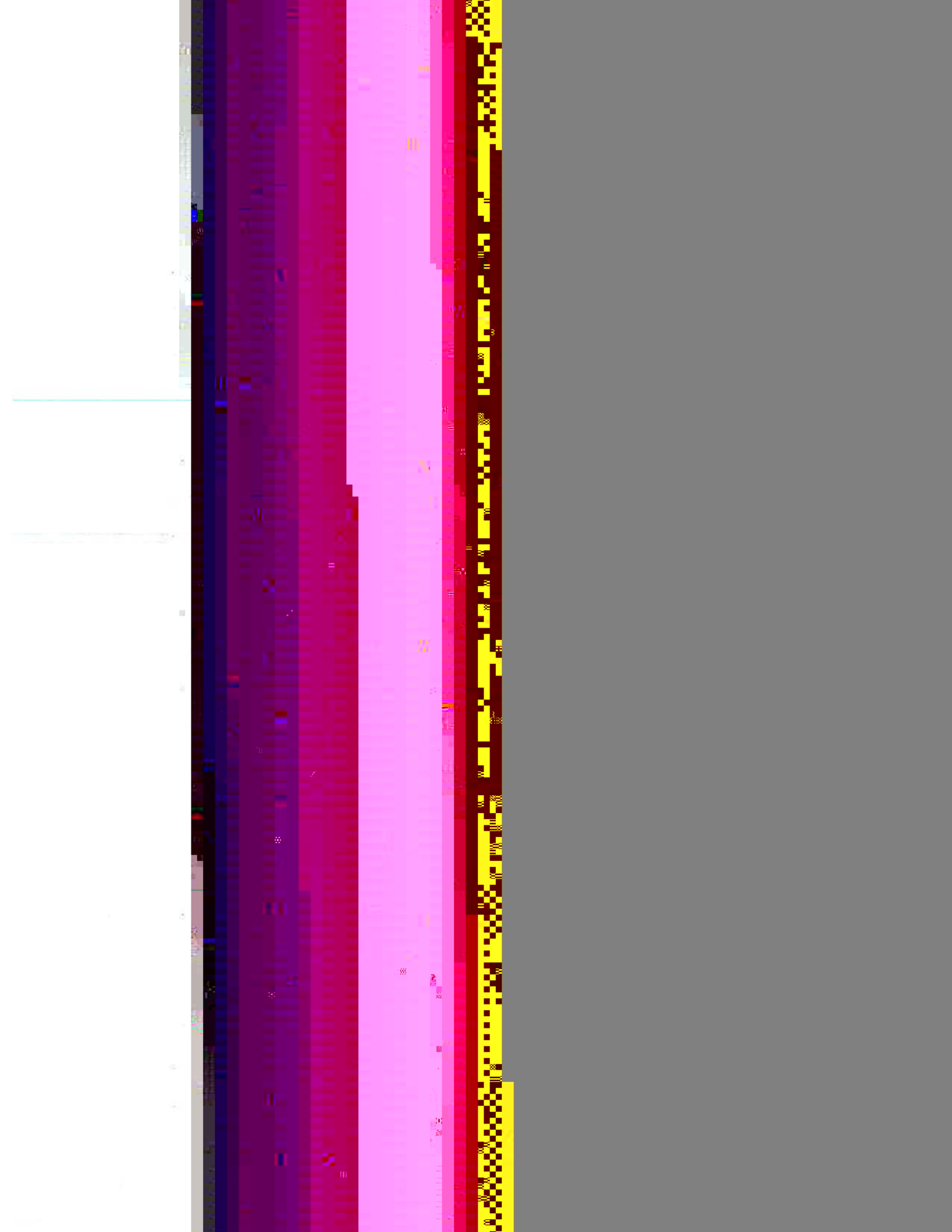


















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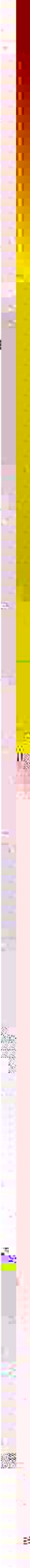
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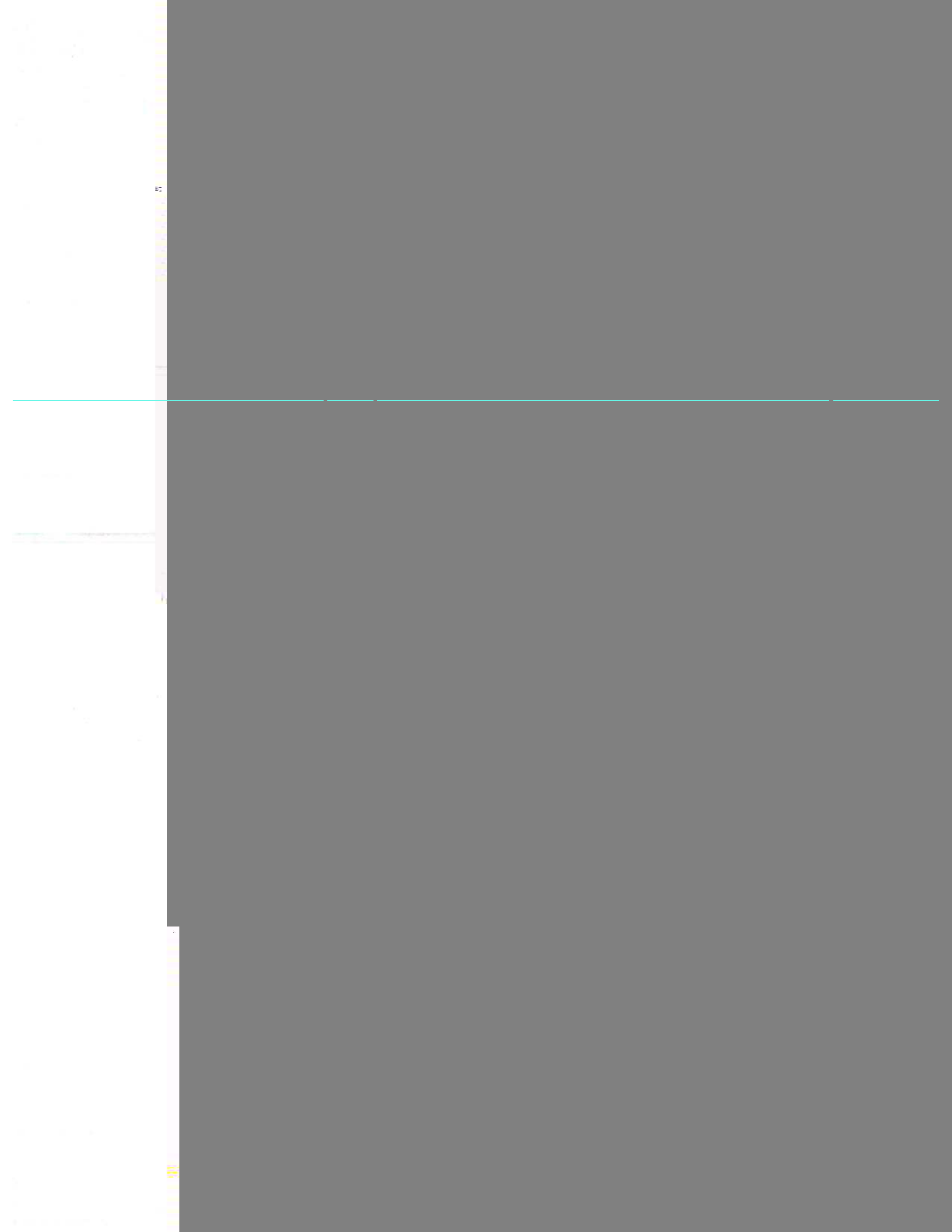
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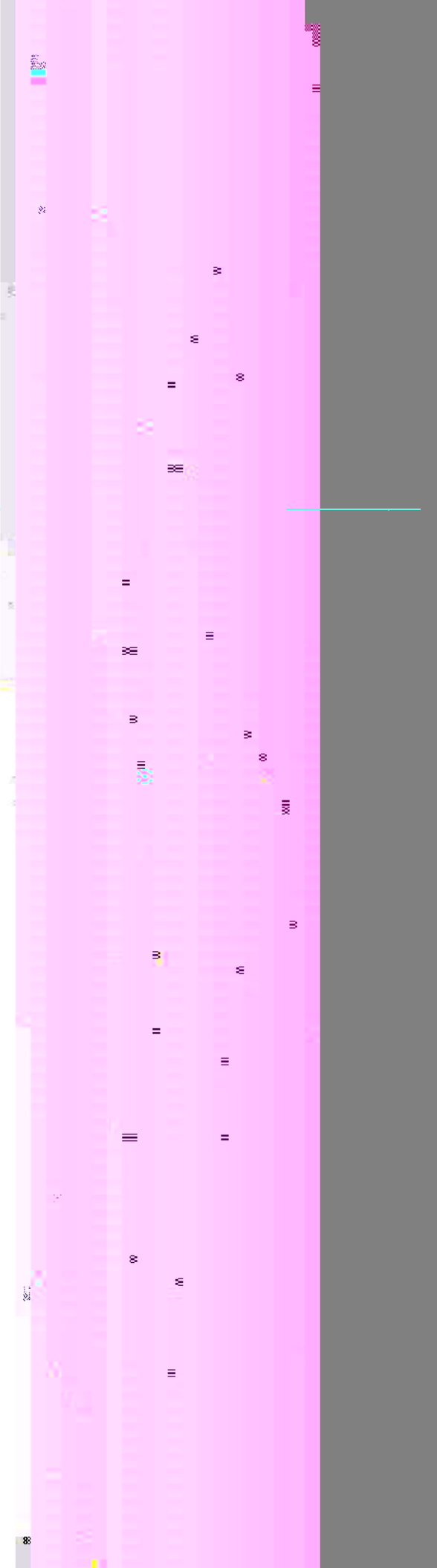
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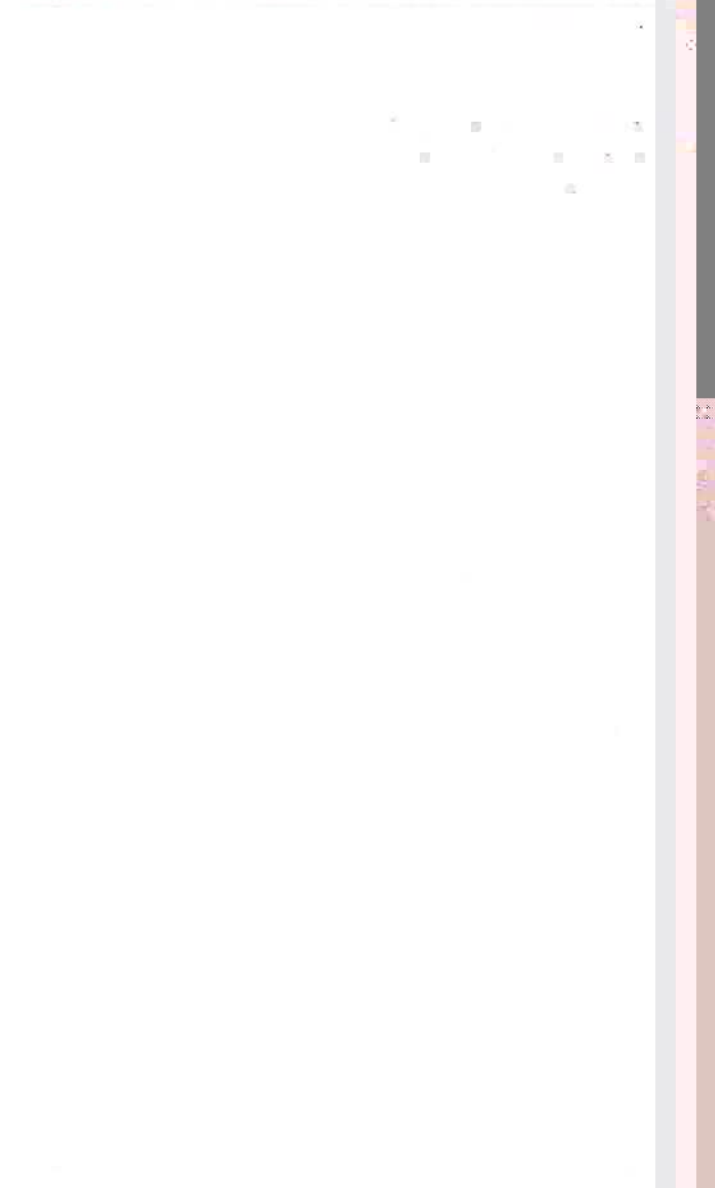
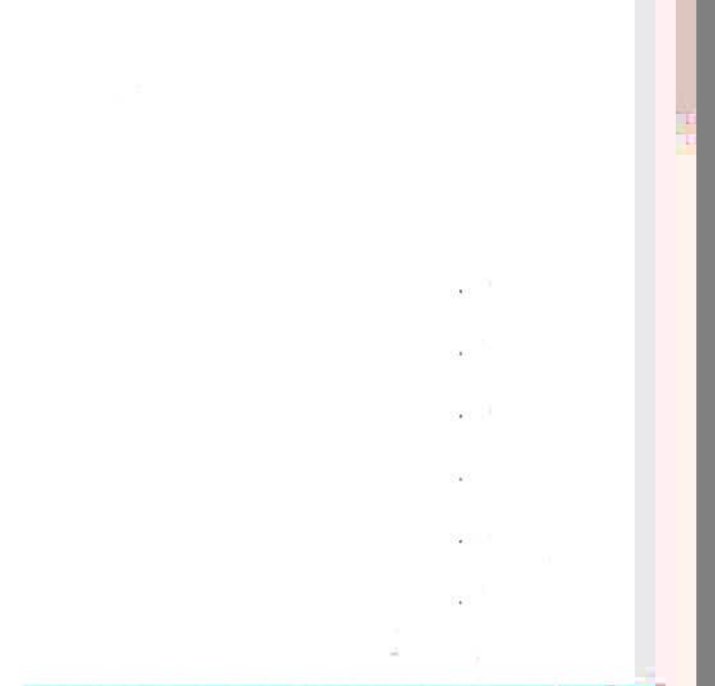












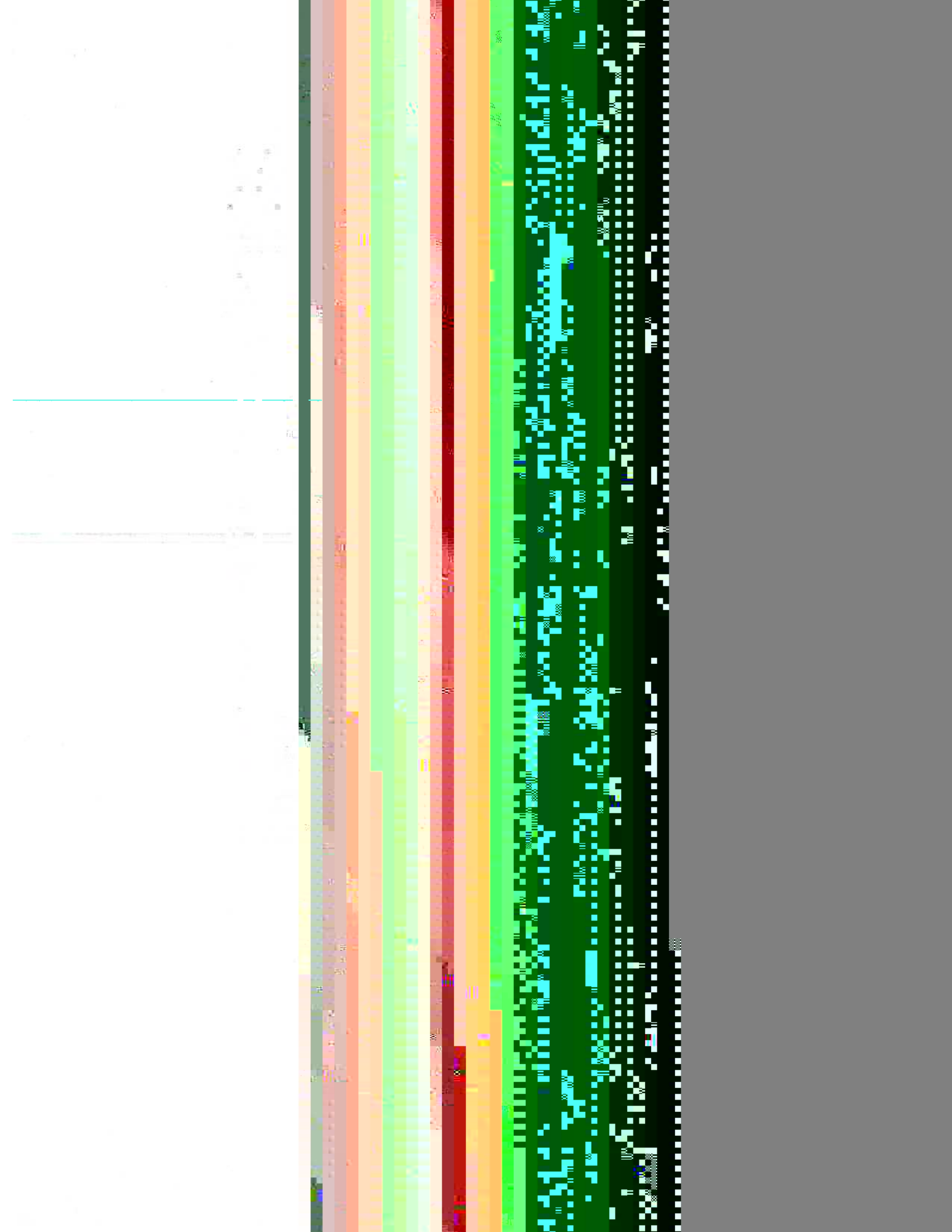


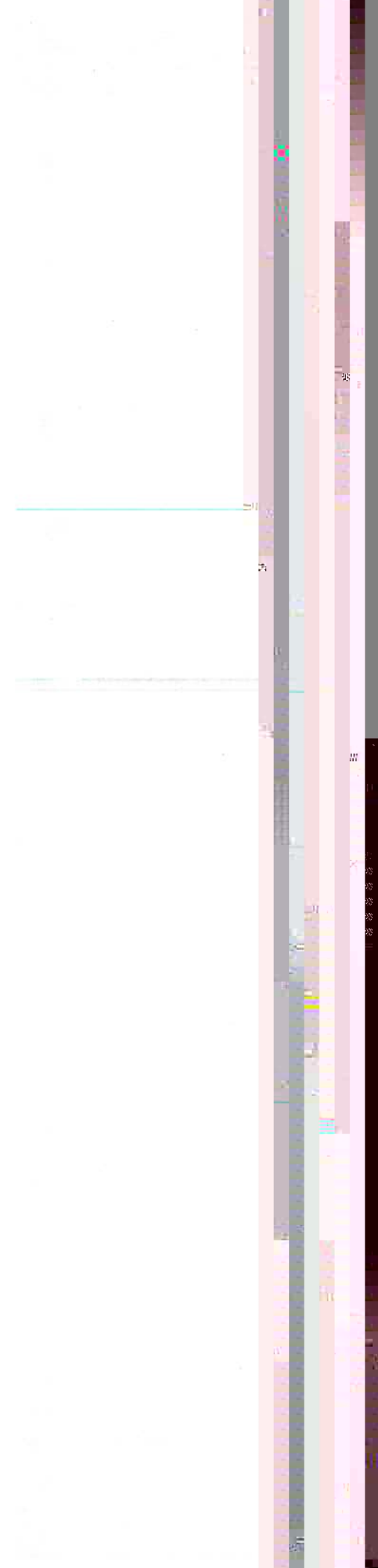










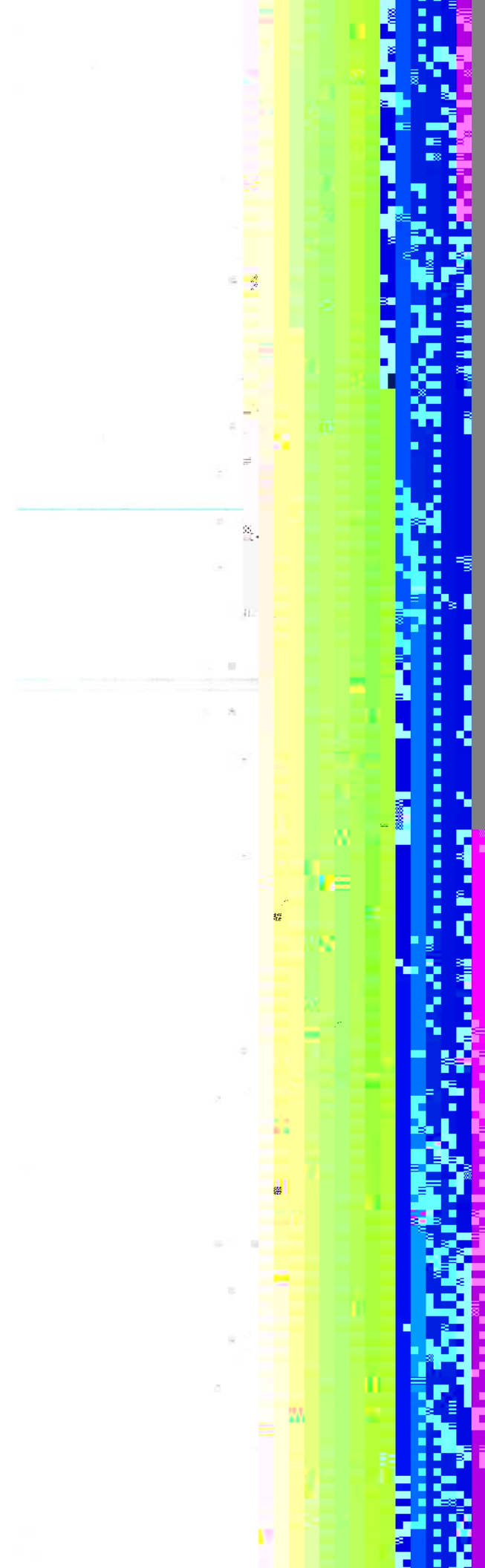






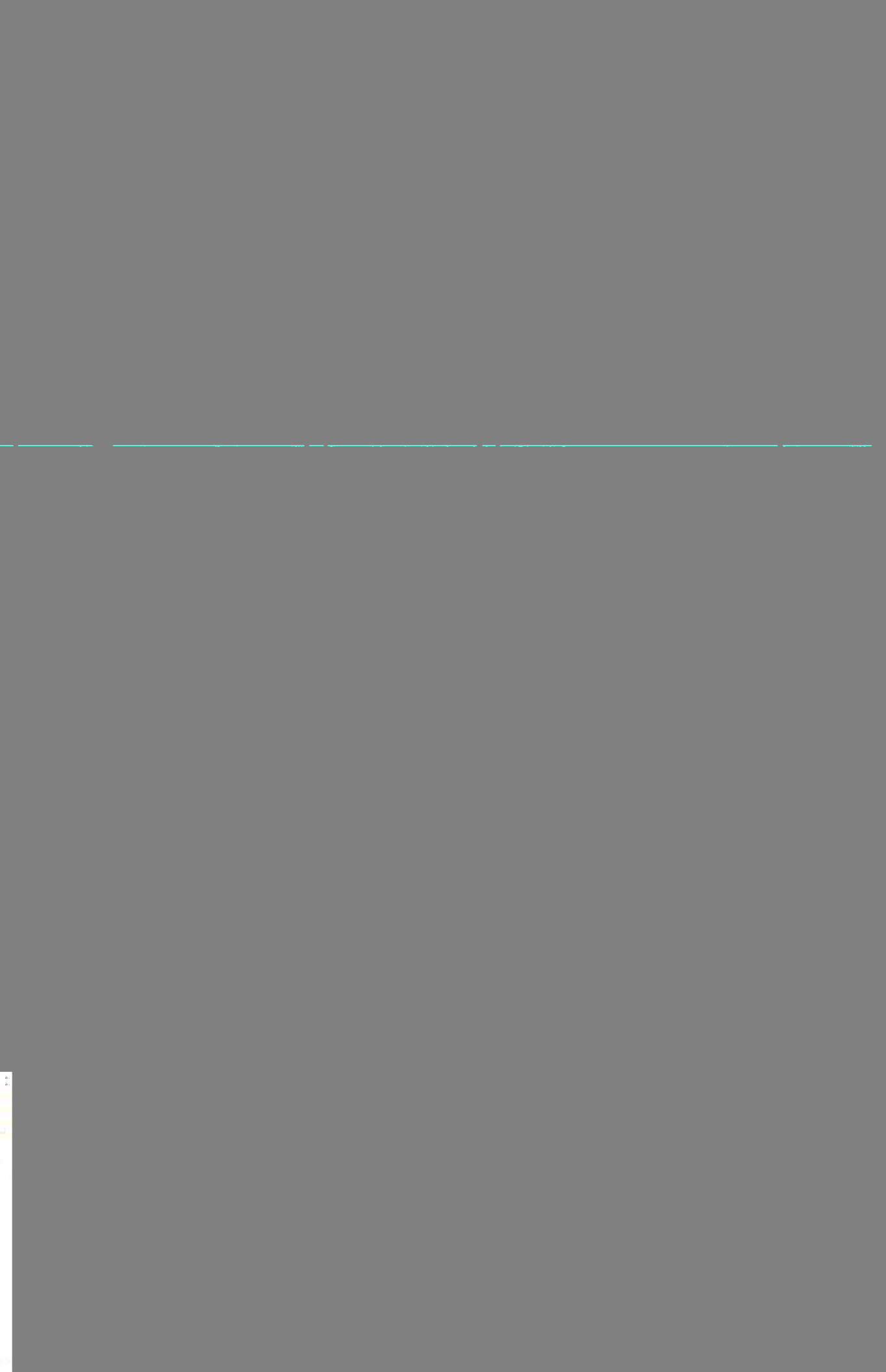








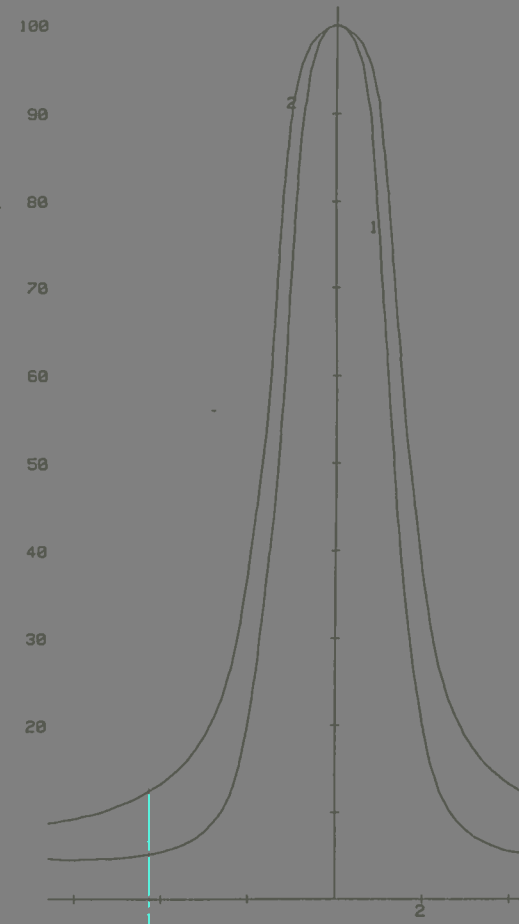






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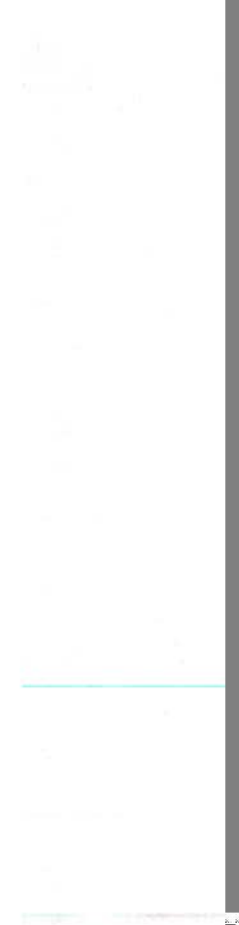






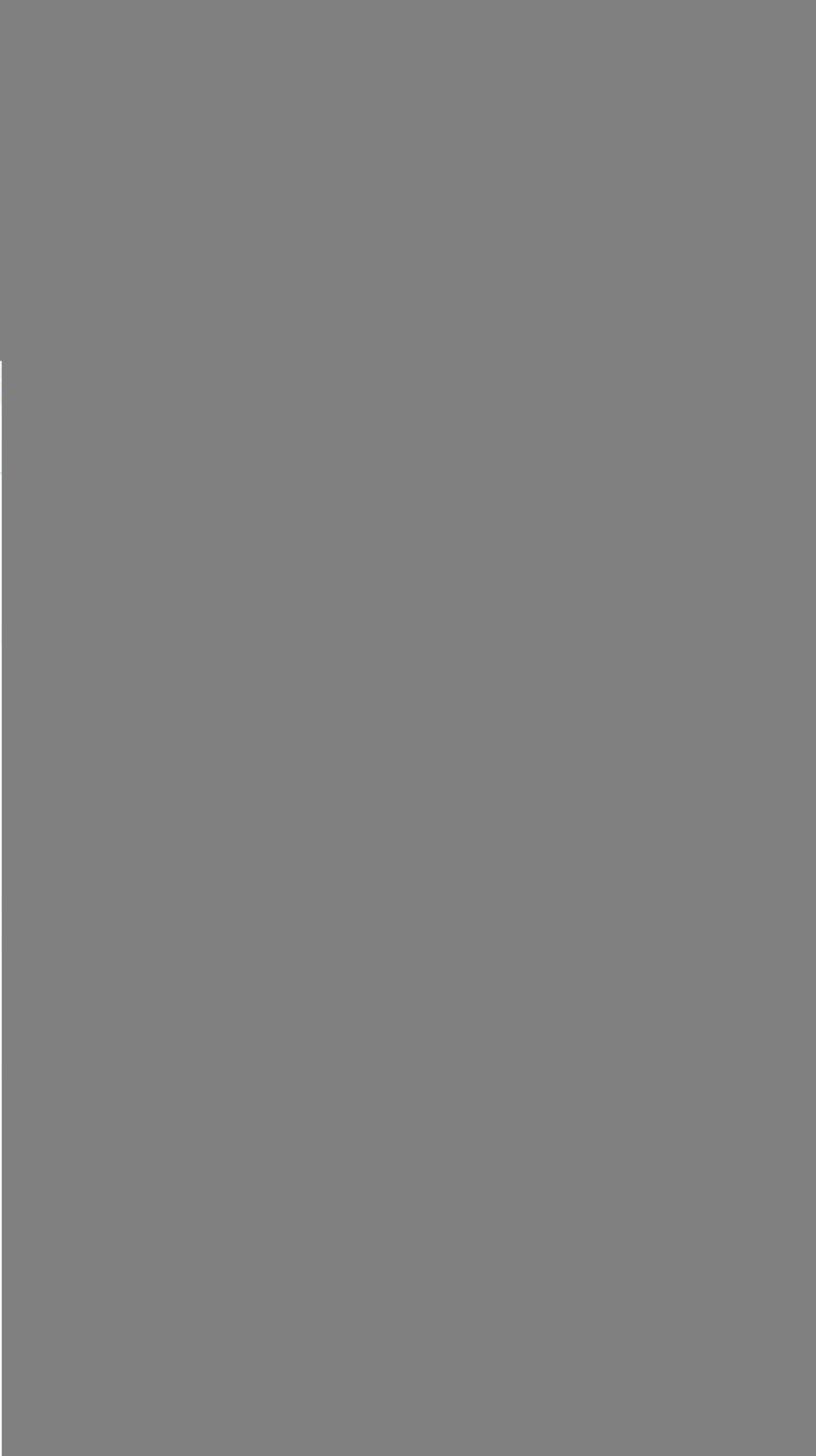
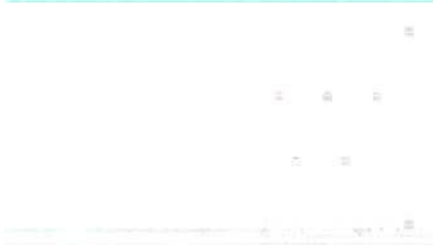
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**ABSTRACT**

