

videographics by functional simulation

by alex bauropoulos

On March 4, 1971 at the Montreal Free Video Festival the program included graphics animation on the computer. Specifically, the video exploded into myriads of particles, parabolas and ellipses distorted and contorted in patterns and generally speaking, curves (functions) moved about in unanticipated phantasmagoria of this sort of thing.

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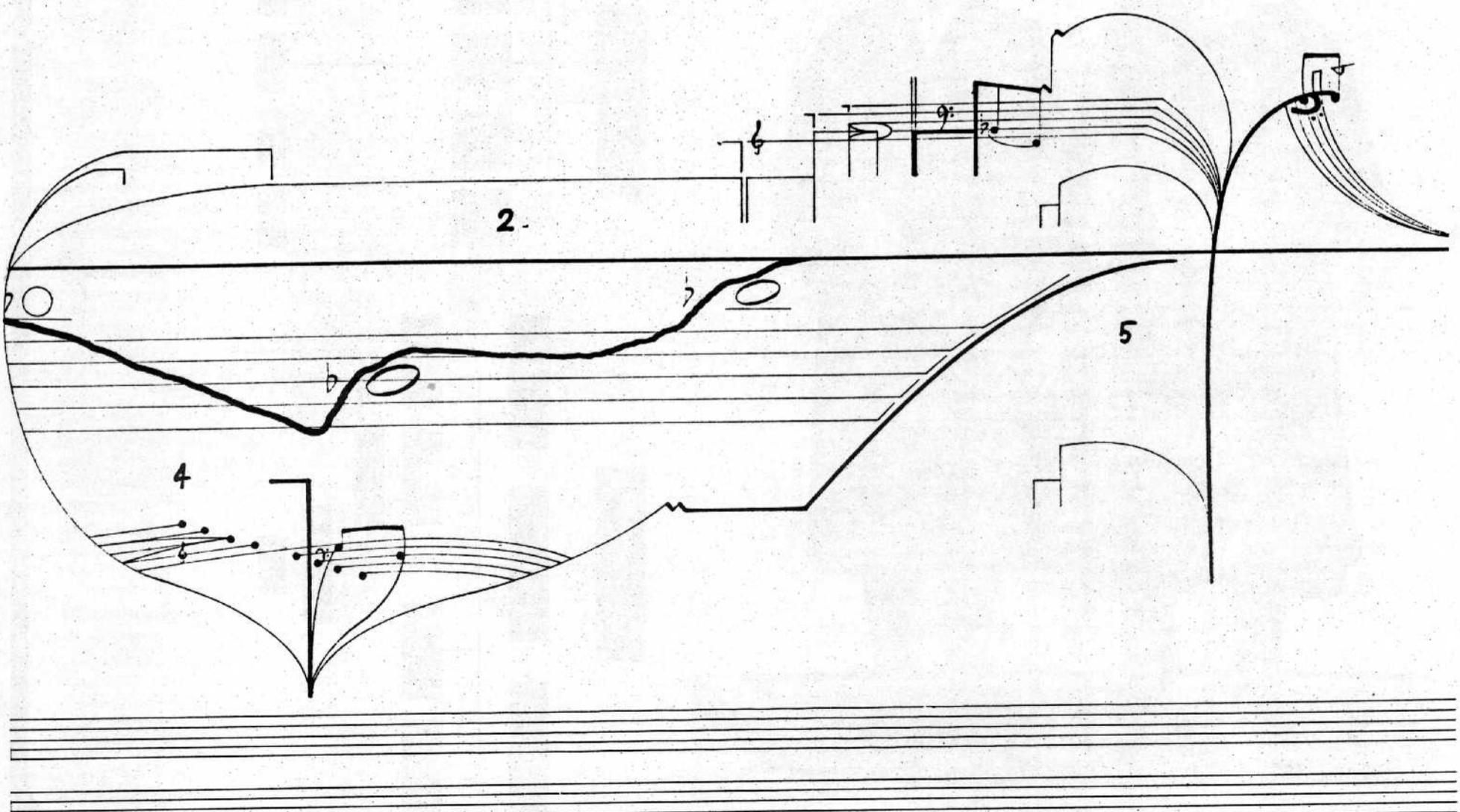
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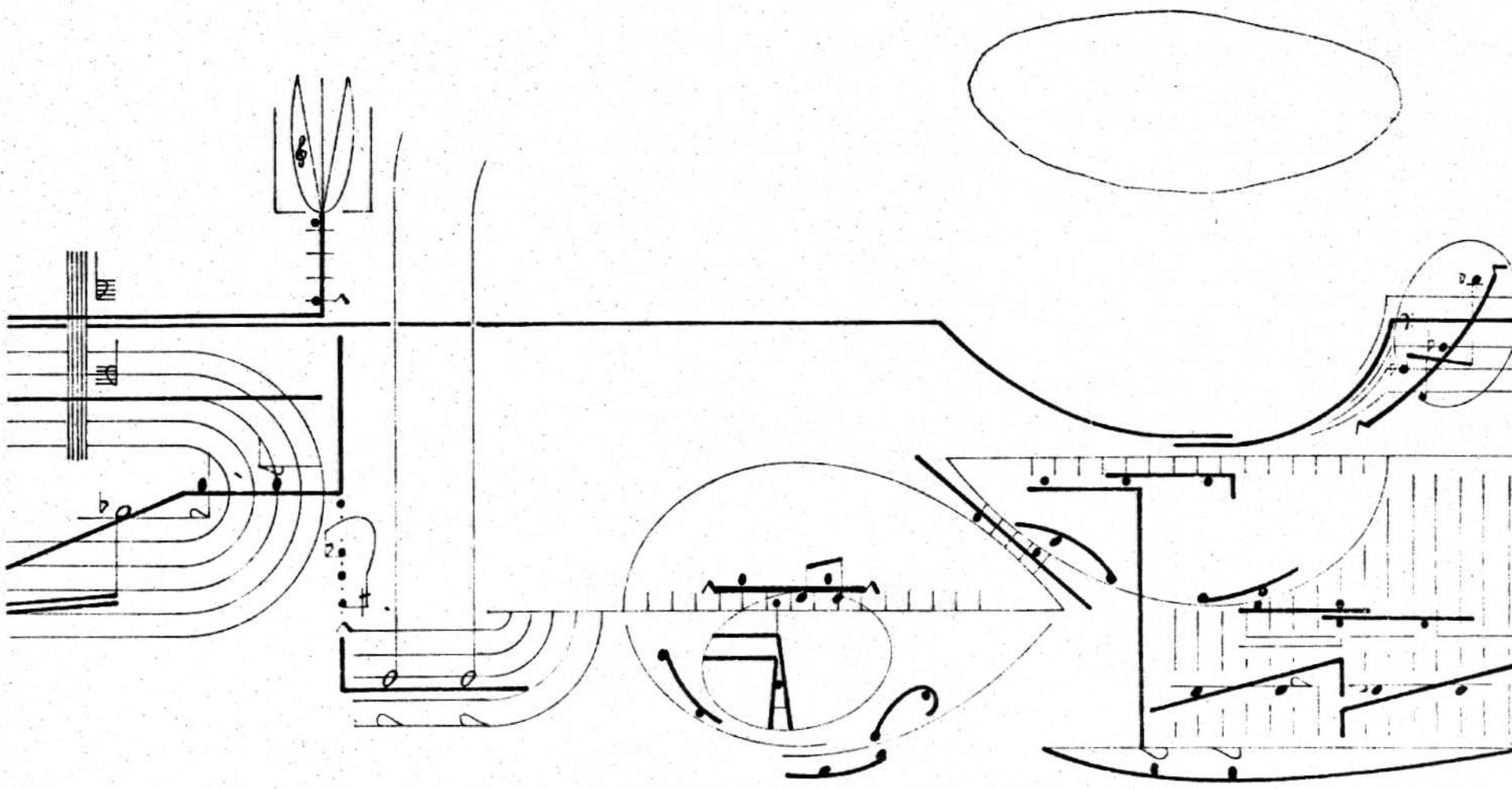
... (The rest of the handwritten text is a dense, overlapping stream of thought, repeating and expanding on the numbered points above, discussing the relationship between music, video, and computer simulation.)



corresponds to a (geometric) parabola, i.e. $y = x^2$ if one gets a figure by reading the values of x and plotting $y = x^2$ on a board. Here one gets a figure by setting a plot $y = x^2$ on a board. This is on the computer, done like a high school is like a picture on the computer. Thus almost all the functions (given by x) on the screen can be evaluated in general. In general, most functions are evaluated only by additions and multiplications. $a=1$ and $b=0$ in the general case. $y = ax + b$ is a linear function. $y = x^2$ is a quadratic function. $y = \sin x$ is a sine function. $y = \cos x$ is a cosine function. $y = \log x$ is a logarithmic function. $y = e^x$ is an exponential function. $y = x^x$ is a power function. $y = x^{1/x}$ is a root function. $y = x^{1/x^2}$ is a root function. $y = x^{1/x^3}$ is a root function. $y = x^{1/x^4}$ is a root function. $y = x^{1/x^5}$ is a root function. $y = x^{1/x^6}$ is a root function. $y = x^{1/x^7}$ is a root function. $y = x^{1/x^8}$ is a root function. $y = x^{1/x^9}$ is a root function. $y = x^{1/x^{10}}$ is a root function. $y = x^{1/x^{11}}$ is a root function. $y = x^{1/x^{12}}$ is a root function. $y = x^{1/x^{13}}$ is a root function. $y = x^{1/x^{14}}$ is a root function. $y = x^{1/x^{15}}$ is a root function. $y = x^{1/x^{16}}$ is a root function. $y = x^{1/x^{17}}$ is a root function. $y = x^{1/x^{18}}$ is a root function. $y = x^{1/x^{19}}$ is a root function. $y = x^{1/x^{20}}$ is a root function. $y = x^{1/x^{21}}$ is a root function. $y = x^{1/x^{22}}$ is a root function. $y = x^{1/x^{23}}$ is a root function. $y = x^{1/x^{24}}$ is a root function. $y = x^{1/x^{25}}$ is a root function. $y = x^{1/x^{26}}$ is a root function. $y = x^{1/x^{27}}$ is a root function. $y = x^{1/x^{28}}$ is a root function. $y = x^{1/x^{29}}$ is a root function. $y = x^{1/x^{30}}$ is a root function. $y = x^{1/x^{31}}$ is a root function. $y = x^{1/x^{32}}$ is a root function. $y = x^{1/x^{33}}$ is a root function. $y = x^{1/x^{34}}$ is a root function. $y = x^{1/x^{35}}$ is a root function. $y = x^{1/x^{36}}$ is a root function. $y = x^{1/x^{37}}$ is a root function. $y = x^{1/x^{38}}$ is a root function. $y = x^{1/x^{39}}$ is a root function. $y = x^{1/x^{40}}$ is a root function. $y = x^{1/x^{41}}$ is a root function. $y = x^{1/x^{42}}$ is a root function. $y = x^{1/x^{43}}$ is a root function. $y = x^{1/x^{44}}$ is a root function. $y = x^{1/x^{45}}$ is a root function. $y = x^{1/x^{46}}$ is a root function. $y = x^{1/x^{47}}$ is a root function. $y = x^{1/x^{48}}$ is a root function. $y = x^{1/x^{49}}$ is a root function. $y = x^{1/x^{50}}$ is a root function. $y = x^{1/x^{51}}$ is a root function. $y = x^{1/x^{52}}$ is a root function. $y = x^{1/x^{53}}$ is a root function. $y = x^{1/x^{54}}$ is a root function. $y = x^{1/x^{55}}$ is a root function. $y = x^{1/x^{56}}$ is a root function. $y = x^{1/x^{57}}$ is a root function. $y = x^{1/x^{58}}$ is a root function. $y = x^{1/x^{59}}$ is a root function. $y = x^{1/x^{60}}$ is a root function. $y = x^{1/x^{61}}$ is a root function. $y = x^{1/x^{62}}$ is a root function. $y = x^{1/x^{63}}$ is a root function. $y = x^{1/x^{64}}$ is a root function. $y = x^{1/x^{65}}$ is a root function. $y = x^{1/x^{66}}$ is a root function. $y = x^{1/x^{67}}$ is a root function. $y = x^{1/x^{68}}$ is a root function. $y = x^{1/x^{69}}$ is a root function. $y = x^{1/x^{70}}$ is a root function. $y = x^{1/x^{71}}$ is a root function. $y = x^{1/x^{72}}$ is a root function. $y = x^{1/x^{73}}$ is a root function. $y = x^{1/x^{74}}$ is a root function. $y = x^{1/x^{75}}$ is a root function. $y = x^{1/x^{76}}$ is a root function. $y = x^{1/x^{77}}$ is a root function. $y = x^{1/x^{78}}$ is a root function. $y = x^{1/x^{79}}$ is a root function. $y = x^{1/x^{80}}$ is a root function. $y = x^{1/x^{81}}$ is a root function. $y = x^{1/x^{82}}$ is a root function. $y = x^{1/x^{83}}$ is a root function. $y = x^{1/x^{84}}$ is a root function. $y = x^{1/x^{85}}$ is a root function. $y = x^{1/x^{86}}$ is a root function. $y = x^{1/x^{87}}$ is a root function. $y = x^{1/x^{88}}$ is a root function. $y = x^{1/x^{89}}$ is a root function. $y = x^{1/x^{90}}$ is a root function. $y = x^{1/x^{91}}$ is a root function. $y = x^{1/x^{92}}$ is a root function. $y = x^{1/x^{93}}$ is a root function. $y = x^{1/x^{94}}$ is a root function. $y = x^{1/x^{95}}$ is a root function. $y = x^{1/x^{96}}$ is a root function. $y = x^{1/x^{97}}$ is a root function. $y = x^{1/x^{98}}$ is a root function. $y = x^{1/x^{99}}$ is a root function. $y = x^{1/x^{100}}$ is a root function.

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Musical Scores: Cornelius G. Cardew