

## Dynamics of fibered endomorphisms of $\mathbb{P}^k$

CHRISTOPHE DUPONT AND JOHAN TAFLIN

**Abstract.** We study the structure and the Lyapunov exponents of the equilibrium measure of endomorphisms of  $\mathbb{P}^k$  preserving a fibration. We extend the decomposition of the equilibrium measure obtained by Jonsson for polynomial skew products of  $\mathbb{C}^2$ . We also show that the sum of the sectional exponents satisfies a Bedford-Jonsson formula when the fibration is linear, and that this function is plurisubharmonic on families of fibered endomorphisms. In particular, the sectional part of the bifurcation current is a closed positive current on the parameter space.

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