

**POSTER
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**DES INSTRUMENTS DANS L'APPRENTISSAGE DE
CALCUL DIFFÉRENTIEL**

Sonia Barbosa Camargo Iglori
Pontifícia Universidade Católica de São Paulo – Brasil
sigliori@pucsp.br

Marcio Vieira de Almeida
Pontifícia Universidade Católica de São Paulo – Brasil
marcioalmeidasp@gmail.com

PROPOSITION

Dans ce poster nous présentons un instrument dans les apprentissages de concepts du Calcul Différentiel, plus spécifiquement les relations continuité et différentiabilité des fonctions réels de variable réel. Une justificative pour les constructions des instruments dans les apprentissages mathématiques est la nécessité du champ de l'Éducation Mathématique d'intégrer théorie et pratique en offrant de matériel pour l'enseignement. Cette proposition est basée dans la Genèse Documental, formulée par Gueudet et Trouche, et les notions de organisateurs génériques et racines cognitives, développées par Tall et collaborateurs. L'instrument présenté ici est le graphique de la fonction "blanc-manger" construite dans GeoGebra et les discussions sur les propriétés de cette fonction.

MOTS CLÉS: L'enseignement de Calcul, Genèse Documental, Organismes Génériques, Racines Cognitives.

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