
**Scientific Discovery
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Of The Creative Process
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Patrick W Inst For Study Of
Learning And Langley Herbert
A Simon Gary Mississippi
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exploration and discovery science

June 2nd, 2020 - exploration and discovery the early stages of a scientific investigation often rely on making observations asking

questions and initial experimentation essentially poking around but the routes to and from these stages are diverse intriguing observations sometimes arise in surprising ways as in the discovery of radioactivity which was inspired by the observation that photographic ' ~~prosecco promoting the scientific exploration of~~ June 2nd, 2020 ~~putational creativity has long been an implicit element of ai research one that es to the fore when ai addresses topics of an obviously creative bent such as painting e g harold cohen s aaron analogical reasoning e g dedre gentner s smt sme 1983 music generation e g david cope s emi story telling e g meehan s tale~~

'embracing a tinkering approach to putation exploratorium

May 12th, 2020 - after taking time to share and celebrate the wide range of projects and emerging ideas including the dream of the pink turtle the kissing booth and a love story between a hedge hog and a crab we wanted to know what the unique and essential qualities of this putational tinkering approach were many reflections pointed to the power of projects and learning goals evolving driven by the'

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to science they try to minimize the role of the creative spark

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~~problem solving for scientific inquiry and medical decision making and for consultation in the 1970 s led to a major change in the paradigm that affected all of artificial intelligence ai research since then ai has evolved surviving several winters as it has oscillated'~~

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short overview heinrich stumpf 1 2 this
article gives a condensed overview of
important findings methods and theories
related to scientific creativity the topics
discussed are grouped into the fourfold
classification of the creative product the
creative person the'

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may 25th, 2020 - as a scientific endeavor cc
proposes that putational modeling can yield
important insights into the fundamental
capabilities of both humans and machines as
an engineering endeavor cc claims that it is
possible to construct autonomous software
artifacts that achieve novel and useful ends
that are deserving of the label creative'

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discovery as applied to the discovery of theories in cognitive
science the approach bines two ideas first a process based
scientific theory can be represented as a puter

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process or product of successful scientific
inquiry objects of discovery can be things
events processes causes and properties as
well as theories and hypotheses and their

features their explanatory power for example'

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may 20th, 2020 - scientific discovery putational explorations of the
creative processes pat langley pat langley is an associate professor
in the department of information and puter science at the university
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valuable option given current beliefs about
the world and exploration that is choosing
options that allow us to forage and learn
about our environment lies at the heart of
decision making and adaptive behaviour cohen
et al 2007 gottlieb et al 2013 the trade off
between choosing to exploit or explore is a
key focus of'

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bradshaw w bridewell s dzeroski h a simon l
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discussions that led to many of these ideas
and to research funding through onr grant no
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and creative and hence unanalyzable whereas the everyday process of

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however sudden the moment of discovery may seem the discovery

process can be **'scientific discovery and creative reasoning with diagrams**
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